

Index to Volume 111-2001  
and Supplements: 97-98



# THE Laryngoscope™

FOUNDED IN 1896

Editor: Byron J. Bailey, MD

Publisher: Lippincott Williams & Wilkins  
530 Walnut Street  
Philadelphia, PA 19106

# Author/Title

## A

- Abraham, MT, Gonen, M, Kraus, DH: Complications of Type I Thyroplasty and Aretenoid Adduction ..... 1322
- Abraham, MT, Kuriakose, A, Sacks, PG, Yee, H, Chiriboga, L, Bearer, EL, Delacure, MD: Motility-Related Proteins as Markers for Head and Neck Squamous Cell Cancer ..... 1285
- Accuracy of Acoustic Rhinometry Measurements—Cakmak, O, Celik, H, Ergin, T, et al ..... 587
- Acute Laryngotracheitis in the Rat Induced by Sendai Virus: The Influx of Six Different Types of Immunocompetent Cells Into the Laryngeal Mucosa Differs Strongly Between the Subglottic and the Glottic Compartment—Jecker, P, McWilliam, A, Marsh, A, et al ..... 1645
- Adamczyk, M, Antonelli, PJ: Selective Vestibular Ablation by KTP Laser in Endolymphatic Hydrops ..... 1057
- Adenotonsillar Hypertrophy and Epstein-Barr Virus in Pediatric Organ Transplant Recipients—Shapiro, NL, Strock, AM ..... 997
- Adenovirus Calcium Phosphate Coprecipitates Enhance Squamous Cell Carcinoma Gene Transfer—Yi, SMP, Lee, JH, Graham, S, et al ..... 1290
- Adhesion Molecules as Prognostic Factors in Nasopharyngeal Carcinoma—Shnayder, Y, Kuriakose, A, Yee, H, et al ..... 1842
- Aesthetic Comparison of Wound Closure Techniques in a Porcine Model—Trittle, NM, Haller, JR, Gray, SD ..... 1949
- Ai, H, Barrera, JE, Meyers, AD, Shroyer, KR, Varella-Garcia, M: Chromosomal Aneuploidy Precedes Morphological Changes and Supports Multifocally in Head and Neck Lesions ..... 1853
- Alam, SA, Oshima, T, Suzuki, M, Kawase, T, Takasaka, T, Ikeda, K: The Expression of Apoptosis-Related Proteins in the Aged Cochlea of Mongolian Gerbils ..... 528
- Albright, JT, Karpati, R, Topham, AK, Spiegel, JR, Sataloff, RT: Second Malignant Neoplasms in Patients Under 40 Years of Age with Laryngeal Cancer ..... 563
- Alex, JC, Bhattacharyya, TK, Smyrniotis, G, O'Grady, K, Konior, RJ, Toriumi, DM: A Histologic Analysis of Three-Dimensional Versus Two-Dimensional Tissue Expansion in the Porcine Model ..... 36
- Alexiades, G, Roland, T, Jr, Fishman, AJ, Shapiro, W, Waltzman, SB, Cohen, NL: Cochlear Reimplantation: Surgical Techniques and Functional Results ..... 1608
- Allegretti, JP, Panje, WR: Electroporation Therapy for Head and Neck Cancer Including Carotid Artery Involvement ..... 52
- All-trans-retinoic Acid Enhances the Effect of Adenovirus-Mediated Wild-Type p53 Gene Transfer in Head and Neck Squamous Cell Carcinoma—Nakashima, T, Sun, S-Y, Lotan, R, et al ..... 1459
- Al-Serhani, AM: Mycobacterial Infection of the Head and Neck: Presentation and Diagnosis ..... 2012
- Alternative Voice After Laryngectomy Using a Sound-Producing Voice Prosthesis—van der Torn, M, de Vries, MP, Festen, JM, et al ..... 336
- Amatsu, M, Mohri, M, Kinishi, M: Significance of Retropharyngeal Node Dissection at Radical Surgery for Carcinoma of the Hypopharynx and Cervical Esophagus ..... 1099
- Ambulatory 24-Hour Double-Probe pH Monitoring: The Importance of Manometry—Johnson, PE, Koufman, JA, Nowak, LJ, et al ..... 1970
- Amedee, RG, Dhurandhar, NR: Clinical State of the Art Review: Fine-Needle Aspiration Biopsy ..... 1551
- Amin, MR, Koufman, JA: Endoscopic Arytenoid Repositioning for Unilateral Arytenoid Fixation ..... 44
- Aminoglycoside Ototoxicity: A Human Temporal Bone Study—Hinojosa, R, Nelson, EG, Lerner, SA, et al ..... 1797
- Anatomical Basis of the Abbé Flap .p—Schulte, DL, Sherris, DA, Kasperbauer, JL ..... 382
- Anderson, TD, Feldman, M, Weber, RS, Ziober, AF, Ziober, BL: Tumor Deposition of Laminin-5 and the Relationship With Perineural Invasion ..... 2140
- Anderson, TD, Mirza, N: Immediate Percutaneous Medialization for Acute Vocal Fold Immobility With Aspiration ..... 1318
- Angioedema Associated With Angiotensin II Receptor Antagonists: Challenging Our Knowledge of Angioedema and Its Etiology—Chiu, AG, Krowiak, EJ, Deeb, ZE ..... 1729
- Anterior and Posterior Medialization (APM) Thyroplasty—Hong, KH, Kim, JH, Kim, HK ..... 1406
- Antonelli, PJ, Ahmadi, A, Prevatt, A: Insecticidal Activity of Common Reagents for Insect Foreign Bodies of the Ear ..... 15
- Applebaum, EL: Presidential Address: Hermann von Helmholtz: A Giant of Science Who Cast His Shadow on Otolaryngology ..... 937
- Arango, P, Kountakis, SE: Significance of Computed Tomography Pathology in Chronic Rhinosinusitis ..... 1779
- Argon Plasma Surgery for the Inferior Turbinate of Patients With

- Perennial Nasal Allergy—Fukazawa, K, Ogasawara, H, Tomofuji, S, et al ..... 147
- Arunachalam, PS, Kilby, D, Meikle, D, Davison, T, Johnson, IJM: Bone-Anchored Hearing Aid Quality of Life Assessed by Glasgow Benefit Inventory ..... 1260
- Arytenoid Appearance and Vertical Level Difference Between the Paralyzed and Innervated Vocal Cords—Hong, KH, Jung, KS ..... 227
- Asher, BF, Seidman, M, Snyderman, C: State of the Art Review: Complementary and Alternative Medicine in Otolaryngology ..... 1383
- Asymmetry of the Ethmoid Roof: Analysis Using Coronal Computed Tomography—Lebowitz, RA, Terk, A, Jacobs, JB, et al ..... 2122
- Atacan, E, Sennaroglu, L, Genc, A, Kaya, S: Benign Paroxysmal Positional Vertigo After Stapedectomy ..... 1257
- Atypical Indications for OtoScan Laser-Assisted Myringotomy—Bent, JP, April, MM, Ward, RF ..... 87
- Autoimmune Sensorineural Hearing Loss in Young Patients: An Exploratory Study—Tomas, J-P, Lona, A, Deggou, N, et al ..... 2050
- Autologous Fibrin Sealant Reduces Pain After Tonsillectomy—Gross, CW, Gallagher, R, Schlosser, RJ, et al ..... 259
- Autologous Transplantation of Fascia Into the Vocal Fold: Long-Term Results of a New Phonosurgical Technique for Glottal Incompetence—Tsunoda, K, Baer, T, Niimi, S ..... 453
- Azizzadeh, B, Yafai, S, Rawnley, JD, Abemayor, E, Sercarz, JA, Calcaterra, TC, Berke, GS, Blackwell, KE: Radial Forearm Free Flap Pharyngoesophageal Reconstruction ..... 807
- Azizzadeh, B, Yip, HT, Blackwell, KE, Horvath, S, Calcaterra, TC, Buga, GM, Ignarro, LJ, Wang, MB: Nitric Oxide Improves Cisplatin Cytotoxicity in Head and Neck Squamous Cell Carcinoma ..... 1896

## B

- Bäck, L, Palomäki, M, Pilonen, A, Ylikoski, J: Sleep-Disordered Breathing: Radiofrequency Thermal Ablation Is a Promising New Treatment Possibility ..... 464
- Bailey, BJ: Editorial: Case of the Month: A New Feature for *The Laryngoscope* ..... 367
- Bailey, BJ: Invited Presidential Lecture: Max Goldstein, MD: His Continuing Influences on Our Specialty ..... 1675
- Ballas, ZK: Immune Dysfunction in Refractory Sinusitis in a Tertiary Care Setting ..... 233
- Barki, G, Disant, F, Lehmann, W: Specificity of Parotid Sialendoscopy ..... 264
- Barrs, DM, Keyser, JS, Stallworth, C, McElveen, JT, Jr: Intratympanic Steroid Injections for Intractable Ménière's Disease ..... 2100
- Base-of-Tongue Cancer: Survival, Function, and Quality of Life After External-Beam Irradiation and Brachytherapy—Robertson, ML, Gleich, LL, Barrett, WL, et al ..... 1362
- Bayazit, YA, Karakök, M, Uçak, R, Kanlikama, M: Cyclin-Dependent Kinase Inhibitor, p27 (KIP1), Is Associated With Cholesteatoma ..... 1037
- Beasley, NJP, Walfish, PG, Witterick, I, Freeman, JL: Cause of Death in Patients With Well-Differentiated Thyroid Carcinoma ..... 989
- Becvarovski, Z, Kartush, JM: Smoking and Tympanoplasty: Implications for Prognosis and the Middle Ear Risk Index (MERI) ..... 1806
- Bedside Tracheostomy in the Intensive Care Unit: A Prospective Randomized Trial Comparing Open Surgical Tracheostomy With Endoscopically Guided Percutaneous Dilational Tracheostomy—Massick, DD, Yao, S, Powell, DM, et al ..... 494
- Belafsky, PC, Postma, GN, Koufman, JA: Laryngopharyngeal Reflux Symptoms Improve Before Changes in Physical Findings ..... 979
- Belafsky, PC, Postma, GN, Koufman, JA: The Validity and Reliability of the Reflux Finding Score (RFS) ..... 1313
- Benecke, JE, Jr: Tympanic Membrane Grafting With AlloDerm ..... 1525
- Benign Paroxysmal Positional Vertigo After Stapedectomy—Atacan, E, Sennaroglu, L, Genc, A, et al ..... 1257
- Benign Positional Vertigo Without Detectable Nystagmus—Tirelli, G, D'Orlando, E, Giacomarra, V, et al ..... 1053
- Benoit, CM, Duncavage, JA: Combined External and Endoscopic Frontal Sinusotomy With Stent Placement: A Retrospective Review ..... 1246
- Bent, JP, April, MM, Ward, RF: Atypical Indications for OtoScan Laser-Assisted Myringotomy ..... 87
- Bentsianov, BL: A Simplified Method of Micro-injecting Vasoconstricting Solution Into the Vocal Cord ..... 1111
- Bergler, W, Huber, K, Hammerschmitt, N, Körmann, K: Tonsillectomy With Argon Plasma Coagulation (APC): Evaluation of Pain and Hemorrhage ..... 1423
- Bergler, WF, Sadick, H, Hammerschmitt, N, Oulmi, J, Hörmann, K:

Long-Term Results of Inferior Turbinate Reduction With Argon Plasma Coagulation .....	1593
Bilateral Lateral Rhinotomy Incisions for Medial Maxillectomies in the Management of Pediatric Invasive Fungal Sinusitis—Malhotra, PS, Danahey, D, Sidman, J .....	1960
Bipolar Scissors Versus Cold Dissection Tonsillectomy: A Prospective Randomized Multi-Unit Study—Raut, V, Bhat, N, Kinsella, J, et al .....	2178
Björklund, A, Kahlner-Elmqvist, M, Hammerlid, E, Boysen, M, Evensen, JF, Björklund, A, Jannert, M, Westin, T, Kaasa, S: A Prospective Study of Quality of Life in Head and Neck Cancer Patients. Part II: Longitudinal Data .....	1440
Blitzer, A, Sulica, L: Clinical State of the Art Review: Botulinum Toxin: Basic Science and Clinical Uses in Otolaryngology .....	218
Bloch, I, Behrman, A: Quantitative Analysis of Videostroboscopic Images in Presbylarynges .....	2022
Blomgren, K, Qvarnberg, YH, Valtonen, HJ: Prospective Study on Pros and Cons of Electrodissection Tonsillectomy .....	478
Bolus Transit and Airway Protection Coordination in Older Dysphagic Patients—Kendall, KA, Leonard, RJ .....	2017
Bone-Anchored Hearing Aid Quality of Life Assessed by Glasgow Benefit Inventory—Arunachalam, PS, Kilby, D, Meikle, D, et al .....	1260
Boole, JR, Holtel, M, Amoroso, P, Yore, M: 5196 Mandible Fractures Among 4381 Active Duty Army Soldiers, 1980 to 1998 .....	1691
Briggs, RD, Vrabec, JT, Cavey, ML, Johnson, RF, Jr: Virtual Endoscopic Evaluation of Labyrinthine Fistulae Resulting From Cholesteatoma .....	1828
Broniatowski, M, Grundfest-Broniatowski, S, Tyler, DJ, Scolieri, P, Abbass, F, Tucker, HM, Brodsky, S: Dynamic Laryngotracheal Closure for Aspiration: A Preliminary Report .....	2032
Brook, I, Frazier, EH: The Microbiology of Mucopyocele .....	1771
Brown, KE, Whitney, SL, Wrisley, DM, Furman, JM: Physical Therapy Outcomes for Persons With Bilateral Vestibular Loss .....	1812
Brunger, JW, Matthews, AL, Smith, RHJ, Robin, NH: Genetic Testing and Genetic Counseling for Deafness: The Future is Here .....	715
Buchwald, C, Lindeberg, H, Pedersen, BL, Franzmann, M-B: Human Papilloma Virus and p53 Expression in Carcinomas Associated With Sinonasal Papillomas: A Danish Epidemiological Study 1980–1998 .....	1104
Building the Powerful 10-Minute Office Visit: Part II. Beginning a Critical Literature Review—Neely, JG, Hartman, JM, Wallace, MS .....	70
Butler, JE, Hammond, TH, Gray, SD: Gender-Related Differences of Hyaluronic Acid Distribution in the Human Vocal Fold .....	907
<b>C</b>	
Cable, BB, Mair, EA: Radiofrequency Ablation of Lymphangiomatous Macroglossia .....	1859
Cakmak, O, Celik, H, Ergin, T, Sennaroglu, L: Accuracy of Acoustic Rhinometry Measurements .....	587
Can Eustachian Tube Ventilatory Function Impairment After Oxygen Diving Be Influenced by Application of Free Radical Scavenger Vitamins C and E?—Mutzbauer, TS, Neubauer, B, Mueller, PHJ, et al .....	861
Canalis, RF, Zamboni, L: An Interpretation of the Structural Changes Responsible for the Chronicity of Rhinoscleroma .....	1020
Cancer Induction in the DMBA Hamster Cheek Pouch: A Modified Technique Using a Promoter—Wani, MK, Yarber, RH, Ahmed, A, et al .....	204
Candidate's Thesis: Antisense Cyclic D1 Enhances Sensitivity to Head and Neck Cancer Cells to Cisplatin—Wang, MB, Yip, HT, Srivatsan, ES .....	982
Candidate's Thesis: Delayed Reversible Hearing Loss Caused by Difluoromethylornithine (DFMO)—Doyle, KJ .....	781
Candidate's Thesis: Direct Evidence of Bacterial Biofilms in Otitis Media—Post, JC .....	2083
Candidate's Thesis: Distortion-Product Otoacoustic Emissions and Cochlear Microphonics: Relationships in Patients With and Without Endolymphatic Hydrops—Fetterman, BL .....	946
Candidate's Thesis: Distraction Osteogenesis of the Mandible for Airway Obstruction in Children—Sidman, JD, Sampson, D, Templeton, B .....	1137
Candidate's Thesis: Early Oral Feeding Following Total Laryngectomy—Medina, JE, Khafif, A .....	368
Candidate's Thesis: Electrosurgery in Otolaryngology—Head and Neck Surgery: Principles, Advances, and Complications—Smith, TL, Smith, JM .....	769
Candidate's Thesis: Homologous Collagen Substances for Vocal Fold Augmentation—Courey, MS .....	747
Candidate's Thesis: Laryngeal Preservation With Supracricoid Partial Laryngectomy Results in Improved Quality of Life When Compared With Total Laryngectomy—	
Candidate's Thesis: Osseous Tissue Engineering With Gene Therapy for Facial Bone Reconstruction—Lindsey, WH .....	1128
Candidate's Thesis: p53 and Ki-67 as Outcome Predictors for Advanced Squamous Cell Cancers of the Head and Neck Treated With Chemoradiotherapy—Lavertu, P, Adelstein, DJ, Myles, J, et al .....	1878
Candidate's Thesis: Potassium Recycling Pathways in the Human Cochlea—Weber, PC, Cunningham, CD, III, Schulte, BA .....	1156
Candidate's Thesis: Therapeutic Efficacy of the Epley Canalith Repositioning Maneuver—Ruckenstein, MJ .....	940
Candidate's Thesis: Transtympanic Versus Sustained-Release Administration of Gentamicin: Kinetics, Morphology, and Function—Hoffer, ME, Allen, K, Kopke, RD, et al .....	1343
Carcinoma of the Larynx: Predictors of Diagnostic Delay—Habermann, W, Berghold, A, DeVaney, TJJ, et al .....	653
Carr, MM: Improving the Otolaryngology Consultation Service in a Teaching Hospital .....	1166
Carr, MM, Poje, CP, Ehrig, D, Brodsky, LS: Incidence of Reflux in Young Children Undergoing Adenoidectomy .....	2170
Carr, MM, Poje, CP, Kingston, L, Kielma, D, Heard, C: Complications in Pediatric Tracheostomies .....	1925
Carrau, RL, Snyderman, CH, Kassam, AB, Jungreis, CA: Endoscopic and Endoscopic-Assisted Surgery for Juvenile Angioblastoma .....	483
Casiano, RR: Candidate's Thesis: A Stepwise Surgical Technique Using the Medial Orbital Floor as the Key Landmark in Performing Endoscopic Sinus Surgery .....	964
Casiano, RR, Cohn, S, Villasuso, E, III, Brown, M, Memari, F, Barquist, E, Namias, N: Comparison of Antral Tap With Endoscopically Directed Nasal Culture .....	1333
Catten, MD, Murr, AH, Goldstein, JA, Mhatre, AN, Lalwani, AK: Detection of Fungi in the Nasal Mucosa Using Polymerase Chain Reaction .....	399
Cause of Death in Patients With Well-Differentiated Thyroid Carcinoma—Beasley, NJP, Walfish, PG, Witterick, I, et al .....	989
Certain Anatomical Relations and the Precise Morphometry of the Infraorbital Foramen—Canal and Groove: An Anatomical and Cephalometric Study—Kazkayasi, M, Ergin, A, Ersoy, M, et al .....	609
Cervicofacial Rhytidectomy After Head and Neck Tumor Removal—Lee, JH, Sherris, DA .....	1702
Chandra, RK, Maddalozzo, J, Kovarik, P: Histological Characterization of the Thyroglossal Tract: Implications for Surgical Management .....	1002
Chandy, B, Todd, J, Stucker, FJ, Nathan, C-AO: Teaching Case: Pott's Puffy Tumor and Epidural Abscess Arising From Dental Sepsis: A Case Report .....	1732
Changes in Serum Interferon- $\gamma$ , Interferon-4, and Interferon-12 Cytokine Levels in Anti-Histamine Type 2-Treated Allergic Rhinitis Patients—Testa, B, Mesolella, C, Mosti, MR, et al .....	236
Changes of Nasal Function After Temperature-Controlled Radiofrequency Tissue Volume Reduction for the Turbinate—Rhee, C-S, Kim, D-Y, Won, T-B, et al .....	153
Charous, SJ, Kempster, G, Manders, E, Ristanovic, R: The Effect of Vagal Nerve Stimulation on Voice .....	2028
Chemoradiation for Metastatic SCCA: Role of Comorbidity—Hathaway, B, Johnson, JT, Piccirillo, JF, et al .....	1893
Chinpaioj, S, Feldman, MD, Saunders, JC, Thaler, ER: A Comparison of Monopolar Electrosurgery to a New Multipolar Electrosurgical System in a Rat Model .....	213
Chiu, AG, Krowiak, EJ, Deeb, ZE: Angioedema Associated With Angiotensin II Receptor Antagonists: Challenging Our Knowledge of Angioedema and Its Etiology .....	1729
Choufani, G, Ghanoun, R, Decaestecker, C, Delbrouck, K, Simon, P, Schuring, M-P, Zick, Y, Hassid, S, Gabius, H-J, Kiss, R: Detection of Macrophage Migration Inhibitory Factor (MIF) in Human Cholesteatomas and Functional Implications of Correlations to Recurrence Status and to Expression of Matrix Metalloproteinases-3/9, Retinoic Acid Receptor- $\beta$ , and Anti-Apoptotic Galectin-3 .....	1656
Chromosomal Aneuploidy Precedes Morphological Changes and Supports Multifocally in Head and Neck Lesions—Ai, H, Barrera, JE, Meyers, AD, et al .....	1853
Chronic Otitis Media Sequelae in Skeletal Material From Medieval Denmark—Qvist, M, Grontved, AM .....	114
Classification of Cilio-Inhibiting Effects of Nasal Drugs—Merkus, P, Remijn, SG, Verhoef, JC, et al .....	595
Clinical Assessment of Intralaryngeal Ultrasonography—Tamura, E, Kitahara, S, Kohno, N .....	1767
Clinical Features of Functional Dysphonia—Sama, A, Carding, PN, Price, S, et al .....	458
Clinical State of the Art Review: Allergic Fungal Rhinosinusitis: Current Theories and Management Strategies—Marple, BF .....	1006

Clinical State of the Art Review: Botulinum Toxin: Basic Science and Clinical Uses in Otolaryngology—Blitzer, A, Sulica, L .....	218
Clinical State of the Art Review: Fine-Needle Aspiration Biopsy—Amedee, RG, Dhurandhar, NR .....	1551
Clinical State of the Art Review: Melanoma of the Head and Neck: Current Concepts in Diagnosis and Management—Lentsch, EJ, Myers, JN .....	1209
CO <sub>2</sub> Laser Treatment in 244 Patients With Respiratory Papillomas—Dedo, HH, Yu, KCY .....	1639
Cochlear Implantation in Healthy and Otitis-Prone Children: A Prospective Study—Luntz, M, Teszler, CB, Shpak, T, et al .....	1614
Cochlear Implants in Five Cases of Auditory Neuropathy: Postoperative Findings and Progress—Shallop, JK, Peterson, A, Facer, GW, et al .....	555
Cochlear Reimplantation: Surgical Techniques and Functional Results—Alexiades, G, Roland, T, Jr, Fishman, AJ, et al .....	1608
Cochlear Structures After Implantation of a Perimodiolar Electrode Array—Richter, B, Jaekel, K, Aschendorff, A, et al .....	837
Combination Nonviral Cytokine Gene Therapy for Head and Neck Cancer—Li, D, Zeiders, JW, Liu, S, et al .....	815
Combined External and Endoscopic Frontal Sinusotomy With Stent Placement: A Retrospective Review—Benoit, CM, Duncavage, JA .....	1246
Commentary: Rise of Medical Specialization and Organizations Affecting Otolaryngology—Goldstein, JC .....	1119
Comparison of Antral Tap With Endoscopically Directed Nasal Culture—Casiano, RR, Cohn, S, Villasuso, E, III, et al .....	1333
Comparison of Monopolar Electrosurgery to a New Multipolar Electrosurgical System in a Rat Model—Chinpaioj, S, Feldman, MD, Saunders, JC, et al .....	213
Comparison of Wound Healing Using the CO <sub>2</sub> Laser at 10.6 $\mu$ m and 9.55 $\mu$ m—Converse, GM, IV, Ries, WR, Reinisch, L .....	1231
Complications Associated With the Sistrunk Procedure—Maddalozzo, J, Venkatesan, TK, Gupta, P .....	119
Complications in Pediatric Tracheostomies—Carr, MM, Poje, CP, Kingston, L, et al .....	1925
Complications of Static Facial Suspensions With Expanded Polytetrafluoroethylene (ePTFE)—Constantinides, M, Galli, SKD, Miller, PJ .....	2114
Complications of Type I Thyroplasty and Aretenoid Adduction—Abraham, MT, Gonen, M, Kraus, DH .....	1322
Computed Tomographic and Anatomical Analysis of the Basal Lamellas in the Ethmoid Sinus—Kim, S-S, Lee, J-G, Kim, K-S, et al .....	424
Computer-Assisted Anatomical Study of the Nasofrontal Region—Landsberg, R, Friedman, M .....	2125
Connection Between the Inner Ear and the Lymphatic System—Yimtae, K, Song, H, Billings, P, et al .....	1631
Constantinides, M, Galli, SKD, Miller, PJ: Complications of Static Facial Suspensions With Expanded Polytetrafluoroethylene (ePTFE) .....	2114
Converse, GM, IV, Ries, WR, Reinisch, L: Comparison of Wound Healing Using the CO <sub>2</sub> Laser at 10.6 $\mu$ m and 9.55 $\mu$ m .....	1231
Cook, SP, Brodsky, L, Reilly, JS, Deutsch, E, Waner, M, Brookhouser, P, Pizzuto, M, Poje, C, Nagy, M, Shaba, SH, Chait, D, Bower, C: Effectiveness of Adenoidectomy and Laser Tympanic Membrane Fenestration .....	251
Cortical Representation of the Orbicularis Oculi Muscle as Assessed by Transcranial Magnetic Stimulation (TMS)—Roedel, RMW, Laskawi, R, Markus, H .....	2005
Cost/Benefit Analysis of Open Tracheotomy, in the OR and at the Bedside, With Percutaneous Tracheotomy—Levin, R, Trivikram, L .....	1169
Coste, A, Yona, L, Blumen, M, Louis, B, Zerah, F, Rugina, M, Peyn��gre, R, Harf, A, Escudier, E: Radiofrequency Is a Safe and Effective Treatment of Turbinate Hypertrophy .....	894
Cote, CT, Goff, J, Barry, P, Casler, J: The Prevalence of Occult Carotid Artery Stenosis in Patients With Head and Neck Squamous Cell Carcinoma .....	2214
Courey, MS: Candidate's Thesis: Homologous Collagen Substances for Vocal Fold Augmentation .....	747
Cox, C, Teknos, TN, Barrios, M, Brewer, GJ, Dick, RD, Merajver, SD: Dean Lierle Residents Award: The Role of Copper Suppression as an Antiangiogenic Strategy in Head and Neck Squamous Cell Carcinoma .....	696
Criswell, MA, Sinha, CK: Hyperthermic Supersaturated Humidification in the Treatment of Xerostomia .....	992
Cunningham, CD, III, Schulte, BA, Bianchi, LM, Weber, PC, Schmiedt, BN: Microwave Decalcification of Human Temporal Bones .....	278
Cycline-Dependent Kinase Inhibitor, p27 (KIP1), Is Associated With Cholesteatoma—Bayazit, YA, Karak��k, M, U��ak, R, et al .....	1037
Cystic Hygroma/Lymphangioma: A Rational Approach to Management—Kennedy, TL, Whitaker, M, Pellitteri, P, et al .....	1929

## D

Danner, CJ, Dornhoffer, JL: Primary Intubation of Cartilage Tympanoplasties .....	177
Dawson, GS, Seidman, P, Ramadan, HH: Improved Postoperative Pain Control in Pediatric Adenotonsillectomy With Dextromethorphan .....	1223
Day, KV, Li, D, Liu, S, Guo, M, O'Malley, BW, Jr: Granulocyte-Macrophage Colony-Stimulating Factor in a Combination Gene Therapy Strategy for Head and Neck Cancer .....	801
Dean Lierle Residents Award: The Role of Copper Suppression as an Antiangiogenic Strategy in Head and Neck Squamous Cell Carcinoma—Cox, C, Teknos, TN, Barrios, M, et al .....	696
Decreased Cochlear DNA Receptor Staining in MRL. MpJ-Fas <sup>lpr</sup> Autoimmune Mice With Hearing Loss—Kaylie, DM, Hefeneider, SH, Kempton, JB, et al .....	1275
Dedo, HH, Yu, KCY: CO <sub>2</sub> Laser Treatment in 244 Patients With Respiratory Papillomas .....	1639
Degranulation of Mast Cells Provokes a Massive Inflammatory Reaction in the Tympanic Membrane—Eriksson, PO, Hellstr��m, S .....	1264
Delayed Regional Metastases, Distant Metastases, and Second Primary Malignancies in Squamous Cell Carcinomas of the Larynx and Hypopharynx—Spector, JG, Sessions, DG, Haughey, BH, et al .....	1079
Dendritic Cells Pulsed With Apoptotic Squamous Cell Carcinoma Have Anti-Tumor Effects When Combined With Interleukin-2—Son, Y-I, Mailliard, RB, Watkins, SC, et al .....	1472
Deng, Y-F, Tian, F, Lu, Y-D, Chen, Z-C, Xie, D-H, Yang, X-M, Shao, X-Y: Mutation and Abnormal Expression of the Fragile Histidine Triad Gene in Nasopharyngeal Carcinoma .....	1589
Derkey, CS: Recurrent Respiratory Papillomatosis .....	57
Desyatnikova, S, Winslow, C, Cohen, JI, Wax, MK: Effect of Anemia on the Fasciocutaneous Flap Survival in a Rat Model .....	572
Detection of Fungi in the Nasal Mucosa Using Polymerase Chain Reaction—Catten, MD, Murr, AH, Goldstein, JA, et al .....	399
Detection of Macrophage Migration Inhibitory Factor (MIF) in Human Cholesteatomas and Functional Implications of Correlations to Recurrence Status and to Expression of Matrix Metalloproteinases-3/9, Retinoic Acid Receptor-��, and Anti-Apoptotic Galectin-3—Choufani, G, Ghanoon, R, Decaestecker, C, et al .....	1656
Determination of Ototoxicity of Common Otic Drops Using Isolated Cochlear Outer Hair Cells—Jinn, TH, Kim, PD, Russell, PT, et al .....	2105
Diagnosis of a Conductive Olfactory Loss—Seiden, AM, Duncan, HJ .....	9
Differentiation of Recurrent Nasopharyngeal Carcinoma and Skull Base Osteoradionecrosis by Epstein-Barr Virus-Derived Latent Membrane Protein-1 Gene—Hao, S-P, Tsang, N-M, Chang, K-P .....	650
DiHA (Dextranomers in Hyaluronan) Injections for Treatment of Insufficient Closure of the Vocal Folds: Early Clinical Experiences—Hall��n, L, Testad, P, Sederholm, E, et al .....	1063
Dinca, EA, Yang, S, Balogun, AO: Pediatric Fluctuating Sensorineural Hearing Loss: Problems in Medical Management .....	21
Distortion-Product Otoacoustic Emissions and Glycerol Testing in Endolymphatic Hydrops—Magliulo, G, Cianfrone, G, Triches, L, et al .....	102
Do Steroids Reduce Morbidity of Tonsillectomy? Meta-Analysis of Randomized Trials—Steward, DL, Welge, JA, Myer, CM .....	1712
Does High-Frequency Pseudo-random Rotational Chair Testing Increase the Diagnostic Yield of the ENG Caloric Test in Detecting Bilateral Vestibular Loss in the Dizzy Patient?—Kaplan, DM, Marais, J, Ogawa, T, et al .....	959
Dogru, H, T��z, M, Uygur, K, Cetin, M: A New TurbinoPlasty Technique for the Management of Concha Bullosa: Our Short-Term Outcomes .....	172
Donzelli, J, Brady, S, Wesling, M, Craney, M: Simultaneous Modified Evans Blue Dye Procedure and Video Nasal Endoscopic Evaluation of the Swallow .....	1746
Dort, JC, Sutherland, GR: Intraoperative Magnetic Resonance Imaging for Skull Base Surgery .....	1570
Doty, RL, Mishra, A: State of the Art Review: Olfaction and Its Alteration by Nasal Obstruction, Rhinitis, and Rhinosinusitis .....	409
Doyle, KJ: Candidate's Thesis: Delayed Reversible Hearing Loss Caused by Difluoromethylornithine (DFMO) .....	781
Drovdlic, CM, Myers, EN, Peters, JA, Baysal, BE, Brackmann, DE, Slatery, WH, III, Rubinstein, WS: Proportion of Heritable Paraganglioma Cases and Associated Clinical Characteristics .....	1822
Ducic, Y: An Effective, Inexpensive, Temporary Surgical Obturator Following Maxillectomy .....	356
Ducic, Y, Herford, AS: The Use of Palatal Island Flaps as an Adjunct to Microvascular Free Tissue Transfer for Reconstruction of Complex Oromandibular Defects .....	1666
Ducic, Y: Medial Canthal Ligament Reattachment in Skull Base Surgery and Trauma .....	734
Ducic, Y: Three-Dimensional Alloplastic Orbital Reconstruction in Skull	



Base Surgery .....	1306
Duke, SG, Salmon, J, Blalock, PD, Postma, GN, Koufman, JA: Fascia Augmentation of the Vocal Fold: Graft Yield in the Canine and Preliminary Clinical Experience .....	759
Dulguerov, P, Leuchter, I, Szalay-Quinodoz, I, Allal, AS, Marchal, F, Lehman, W, Fasel, JHD: Endoscopic Neck Dissection in Human Cadavers .....	2135
Dynamic Laryngotracheal Closure for Aspiration: A Preliminary Report—Broniatowski, M, Grundfest-Broniatowski, S, Tyler, DJ, et al .....	2032

## E

Early Clinical Results: SOUNDTEC Implantable Hearing Device Phase II Study—Hough, JVD, Dyer, RK, Jr, Matthews, P, et al .....	1
Early Versus Late Gold Weight Implantation for Rehabilitation of the Paralyzed Eyelid—Snyder, MC, Johnson, PJ, Moore, GF, et al .....	2109
Editorial: Case of the Month: A New Feature for <i>The Laryngoscope</i> —Bailey, BJ .....	367
Edström, S, Cvetkovska, E, Westin, T, Young, C: Overexpansion of p53-Related Proteins Predicts Rapid Growth Rate of Head and Neck Cancer .....	124
Effect of Anemia on the Fasciocutaneous Flap Survival in a Rat Model—Desyatnikova, S, Winslow, C, Cohen, JI, et al .....	572
Effect of Tumor Necrosis Factor- $\alpha$ on Experimental Otitis Media With Effusion—Lee, D-H, Park, Y-S, Jung, TTK, et al .....	728
Effect of Vagal Nerve Stimulation on Voice—Charous, SJ, Kempster, G, Manders, E, et al .....	2028
Effective, Inexpensive, Temporary Surgical Obturator Following Maxillectomy—Ducic, Y .....	356
Effectiveness of Adenoidectomy and Laser Tympanic Membrane Fenestration—Cook, SP, Brodsky, L, Reilly, JS, et al .....	251
Effects of Interferon- $\alpha$ 2b and Octreotide on Healing of Esophageal Corrosive Burns—Kaygusuz, I, Celik, O, Özkaya, Ö, et al .....	1999
Electroporation Therapy for Head and Neck Cancer Including Carotid Artery Involvement—Allegretti, JP, Panje, WR .....	52
Endolymphatic Hydrops in Asymptomatic Ears in Unilateral Ménière's Disease—Friedrichs, I, Thornton, ARD .....	857
Endoscopic and Endoscopic-Assisted Surgery for Juvenile Angiofibroma—Carrau, RL, Snyderman, CH, Kassam, AB, et al .....	483
Endoscopic Arytenoid Repositioning for Unilateral Arytenoid Fixation—Amin, MR, Koufman, JA .....	44
Endoscopic Evaluation of the Infratemporal Fossa—Hartnick, CJ, Lacy, PD, Myer, CM, III .....	353
Endoscopic Extraction of an Intranasal Tooth: A Review of 13 Cases—Lee, F-P .....	1027
Endoscopic Inferior Turbinate Reduction: An Outcomes Analysis—Gupta, A, Mercurio, E, Bielamowicz, S .....	1957
Endoscopic Management of 108 Sinus Mucocoeles—Har-El, G .....	2131
Endoscopic Neck Dissection in Human Cadavers—Dulguerov, P, Leuchter, I, Szalay-Quinodoz, I, et al .....	2135
Endoscopic Removal of the Antral Portion of Antrochoanal Polyp by Powered Instrumentation—Hong, SK, Min, Y-G, Kim, CN, et al .....	1774
Endoscopy-Negative, Computed Tomography-Negative Facial Pain in a Nasal Clinic—West, B, Jones, NS .....	581
Enhancement of Delta Aminolevulinic Acid—Photodynamic Therapy In Vivo by Decreasing Tumor pH With Glucose and Amiloride—Piot, B, Rousset, N, Lenz, P, et al .....	2205
Epstein-Barr Virus DNA Is Not Increased in Tonsillar Carcinoma—Khabie, N, Savva, A, Kasperbauer, JL, et al .....	811
Eriksson, PO, Hellström, S: Degranulation of Mast Cells Provokes a Massive Inflammatory Reaction in the Tympanic Membrane .....	1264
Esthesioneuroblastoma: The University of Iowa Experience 1978–1998—Simon, JH, Zhen, W, McCulloch, TM, et al .....	488
Evaluation of Eardrum Laser Doppler Interferometry as a Diagnostic Tool—Huber, AM, Schwab, C, Linder, T, et al .....	501
Evaluation of Inlay Butterfly Cartilage Tympanoplasty: A Randomized Clinical Trial—Mauri, M, Neto, JFL, Fuchs, SC .....	1479
Evaluation of Omeprazole in the Treatment of Reflux Laryngitis: A Prospective Placebo-Controlled Randomized Double-Blind Study—Noordzij, JP, Khidr, A, Evans, BA, et al .....	2147
Evaluation of the Effect of Passive Smoking on Otitis Media in Children by an Objective Method: Urinary Cotinine Analysis—Ilicali, C, Keles, N, Deger, K, et al .....	163
Evaluation of the Utility and Cost-Effectiveness of Obtaining Histopathologic Diagnosis on All Routine Tonsillectomy Specimens—Younis, RT, Hesse, SV, Anand, VK .....	2166
Evolution in the Management of Sinonasal Inverting Papilloma—Han, JK, Smith, TL, Loehrl, T, et al .....	1395
Excision of the Preauricular Sinus: A Comparison of Two Surgical	

Techniques—Lam, HCK, Soo, G, Wormald, PJ, et al .....	317
Expression of Apoptosis-Related Proteins in the Aged Cochlea of Mongolian Gerbils—Alam, SA, Oshima, T, Suzuki, M, et al .....	528
Expression of p16, nm23-H1, E-cadherin, and CD44 Gene Products and Their Significance in Nasopharyngeal Carcinoma—Huang, G-W, Mo, W-N, Kuang, G-Q, et al .....	1465
Expression of p75NTR and Its Associated Protein NADE in the Rat Cochlea—Sano, H, Mukai, J, Monoo, K, et al .....	535
Expression Patterns of Cytokeratins in Retraction Pocket Cholesteatomas—Kim, H-J, Tinling, SP, Chole, RA .....	1032
External Osteotomy in Rhinoplasty—Giacomarra, V, Russolo, M, Arnez, ZM, et al .....	433
Extirpation of Ruptured Preauricular Fistula—Shu, M-T .....	924

## F

Facial Nerve Monitoring in Middle Ear and Mastoid Surgery—Noss, RS, Lalwani, AK, Yingling, CD .....	831
Facial Purpura—Goldman, AC, Govindaraj, S, Franco, RA, Jr, et al .....	207
Failsafe Technique for Endoscopic Tracheoesophageal Puncture—Koch, WM .....	1663
Fascia Augmentation of the Vocal Fold: Graft Yield in the Canine and Preliminary Clinical Experience—Duke, SG, Salmon, J, Blalock, PD, et al .....	759
Faust, RA, Remley, KB, Pimell, FL: Real-Time Cine Magnetic Resonance Imaging for Evaluation of the Pediatric Airway .....	2187
Feasibility and Outcome of Endoscopic Staple-Assisted Esophagodiverticulostomy for Zenker's Diverticulum—Thaler, ER, Weber, RS, Goldberg, AN, et al .....	1506
Feghali, JG, Liu, W, Van De Water, TR: Candidate's Thesis: L-N-Acetyl-Cysteine Protection Against Cisplatin-Induced Auditory Neuronal and Hair Cell Toxicity .....	1147
Ferlito, A, Devaney, KO, Rinaldo, A: Is It Time to Develop an 'Ultrastaging System' for Use in Patients With Head and Neck Malignancies? .....	185
Fetterman, BL: Candidate's Thesis: Distortion-Product Otoacoustic Emissions and Cochlear Microphonics: Relationships in Patients With and Without Endolymphatic Hydrops .....	946
Finizia, C, Bergman, B: Health-Related Quality of Life in Patients With Laryngeal Cancer: A Post-Treatment Comparison of Different Modes of Communication .....	918
Finkelstein, Y, Wexler, D, Horowitz, E, Berger, G, Nachmani, A, Shapiro-Feinberg, M, Ophir, D: Frontal and Lateral Cephalometry in Patients With Sleep-Disordered Breathing .....	634
5196 Mandible Fractures Among 4381 Active Duty Army Soldiers, 1980 to 1998—Boole, JR, Holtel, M, Amoroso, P, et al .....	1691
Fortson, JK, Patel, VG, Henderson, VJ: Parathyroid Cysts: A Case Report and Review of the Literature .....	1726
Free Radical Production by Antibiotic-Killed Bacteria in the Guinea Pig Middle Ear—Takoudes, TG, Haddad, J, Jr .....	283
Free Tissue Reconstruction of the Hypopharynx After Organ Preservation Therapy: Analysis of Wound Complications—Teknos, TN, Myers, LL, Bradford, CR, et al .....	1192
Frequency and Localization of the Putative Vomeroneasal Organ in Humans in Relation to Age and Gender—Knecht, M, Kühnau, D, Hüttenbrink, K-B, et al .....	448
Friedman, M, Landsberg, R, Pryor, S, Syed, Z, Ibrahim, H, Caldarelli: The Occurrence of Sleep-Disordered Breathing Among Patients With Head and Neck Cancer .....	1917
Friedrichs, I, Thornton, ARD: Endolymphatic Hydrops in Asymptomatic Ears in Unilateral Ménière's Disease .....	857
Frontal and Lateral Cephalometry in Patients With Sleep-Disordered Breathing—Finkelstein, Y, Wexler, D, Horowitz, E, et al .....	634
Fujii, Y, Saitoh, Y, Kobayashi, N: Prevention of Vomiting After Tonsillectomy in Children: Granisetron Versus Ramosetron .....	255
Fukazawa, K, Ogasawara, H, Tomofuji, S, Fujii, M, Sakagami, M: Argon Plasma Surgery for the Inferior Turbinate of Patients With Perennial Nasal Allergy .....	147
Functional Magnetic Resonance Imaging of the Pediatric Swallow: Imaging the Cortex and the Brainstem—Hartnick, CJ, Rudolph, C, Willging, JP, et al .....	1183
Functional Outcomes After Supracricoid Laryngectomy—Zacharek, MA, Pasha, R, Meleca, RJ, et al .....	1558
Functional Study of Four Neurotoxins as Inhibitors of Post-traumatic Nerve Regeneration—Paydarfar, JA, Paniello, RC .....	844
Fung, K, Yoo, J, Leeper, HA, Hawkins, S, Heeneman, H, Venkatesan, VM: Vocal Function Following Radiation for Non-Laryngeal Versus Laryngeal Tumors of the Head and Neck .....	1920
Furuta, Y, Kawabata, H, Ohtani, F, Watanabe, H: Western Blot Analysis for Diagnosis of Lyme Disease in Acute Facial Palsy .....	719

# G

- Gacek, RR: Ogura Lecture: Morphologic Correlates for Laryngeal Reinnervation ..... 1871
- Gadre, AK, Hammerschlag, PE: Teaching Case: Labyrinthine Fistula: An Unreported Complication of the Grote Prosthesis ..... 796
- Gastroesophageal Reflux and Obstructive Sleep Apnea—Senior, BA, Khan, M, Schwimmer, C, et al ..... 2144
- Gedikli, O, Dogru, H, Aydin, G, Tüz, M, Uygur, K, Sari, A: Histopathological Changes of Chorda Tympani in Chronic Otitis Media ..... 724
- Genden, EM, Mackinnon, SE, Yu, S, Hunter, DA, Flye, MW: Pretreatment With Portal Venous Ultraviolet B Irradiated Donor Alloantigen Promotes Donor-Specific Tolerance to Rat Nerve Allografts ..... 439
- Gender-Related Differences of Hyaluronic Acid Distribution in the Human Vocal Fold—Butler, JE, Hammond, TH, Gray, SD ..... 907
- Genetic Testing and Genetic Counseling for Deafness: The Future is Here—Brunker, JW, Matthews, AL, Smith, RHJ, et al ..... 715
- Gessler, EM, Hart, KE, Dunlevy, TM, Greinwald, JH, Jr: Optimal Concentration of Epinephrine for Vasoconstriction in Ear Surgery ..... 1687
- Giacomarra, V, Russolo, M, Arnez, ZM, Tirelli, G: External Osteotomy in Rhinoplasty ..... 433
- Giacomarra, V, Russolo, M, Tirelli, G, Bonini, P: Surgical Treatment of Tracheostomal Stenosis ..... 1281
- Giant Ethmoid Osteoma With Orbital Extension, a Nasoendoscopic Approach Using an Intranasal Drill—Huang, H-M, Liu, C-M, Lin, K-N, et al ..... 430
- Gibbons, MD, Manne, U, Carroll, WR, Peters, GE, Weiss, HL, Grizzle, WE: Molecular Differences in Mucoepidermoid Carcinoma and Adenoid Cystic Carcinoma of the Major Salivary Glands ..... 1373
- Giovanni, A, Gueffucci, B, Gras, R, Yu, P, Zanaret, M: Partial Frontolateral Laryngectomy With Epiglottic Reconstruction for Management of Early-Stage Glottic Carcinoma ..... 663
- Girardi, M, Konrad, HR, Amin, M, Hughes, LF: Predicting Fall Risks in an Elderly Population: Computer Dynamic Posturography Versus Electronystagmography Test Results ..... 1528
- Giugliano, G, Venturino, M, DePaoli, F, Andrie, J, Calabrese, L, Tradati, N, Chiesia, F, Scarpa, D, Susini, G: Learning Curve for Translaryngeal Tracheotomy in Head and Neck Surgery ..... 628
- Goldman, AC, Govindaraj, S, Franco, RA, Jr, Lim, J: Facial Purpura ..... 207
- Goldstein, JC: Commentary: Rise of Medical Specialization and Organizations Affecting Otolaryngology ..... 1119
- Govindaraj, S, Cohen, M, Genden, EM, Constantino, PD, Urken, ML: The Use of Acellular Dermis in the Prevention of Frey's Syndrome ..... 1993
- Granulocyte-Macrophage Colony-Stimulating Factor in a Combination Gene Therapy Strategy for Head and Neck Cancer—Day, KV, Li, D, Liu, S, et al ..... 801
- Gross, CW, Gallagher, R, Schlosser, RJ, Burks, SG, Flanagan, HL, Mintz, PD, Avery, NL, Mayers, SL, Spotnitz, WD: Autologous Fibrin Sealant Reduces Pain After Tonsillectomy ..... 259
- Gross, CW, Schlosser, RJ: The Modified Lothrop Procedure: Lessons Learned ..... 1302
- Gross, ND, Weissman, JL, Talbot, M, Andersen, PE, Wax, MK, Cohen, JI: MRI Detection of Cervical Metastasis From Differentiated Thyroid Carcinoma ..... 1905
- Grosz, AH, Jacobs, IN, Cho, C, Schears, GJ: Use of Helium-Oxygen Mixtures to Relieve Upper Airway Obstruction in a Pediatric Population ..... 1512
- Growth Factors Influence Growth and Differentiation of the Middle Ear Mucosa—Palacios, SD, Oehl, HJ, Rivkin, AZ, et al ..... 874
- Gupta, A, Mercurio, E, Bielamowicz, S: Endoscopic Inferior Turbinate Reduction: An Outcomes Analysis ..... 1957

# H

- Habermann, W, Berghold, A, DeVaney, TTJ, Friedrich, G: Carcinoma of the Larynx: Predictors of Diagnostic Delay ..... 653
- Haginomori, S-I, Makimoto, K, Tanaka, H, Araki, M, Takenaka, H: Spontaneous Otoacoustic Emissions in Humans With Endolymphatic Hydrops ..... 96
- Hallén, L, Testad, P, Sederholm, E, Dahlqvist, A, Laurent, C: DiHa (Dextronomers in Hyaluronan) Injections for Treatment of Insufficient Closure of the Vocal Folds: Early Clinical Experiences ..... 1063
- Hammerlid, E, Bjordal, K, Ahlner-Elmqvist, M, Boysen, M, Evensen, JF: A Prospective Study of Quality of Life in Head and Neck Cancer Patients. Part I: At Diagnosis ..... 669
- Han, JK, Smith, TL, Loehrl, T, Toohill, RJ, Smith, MM: An Evolution in

- the Management of Sinonasal Inverting Papilloma ..... 1395
- Hanasono, MM, Utley, DS, Goode, RL: The Temporalis Muscle Flap for Reconstruction After Head and Neck Oncologic Surgery ..... 1719
- Hao, S-P, Tsang, N-M, Chang, K-P: Differentiation of Recurrent Nasopharyngeal Carcinoma and Skull Base Osteoradionecrosis by Epstein-Barr Virus-Derived Latent Membrane Protein-1 Gene ..... 650
- Hardillo, J, Vanclooster, C, Delaere, PR: An Investigation of Airway Wound Healing Using a Novel in vivo Model ..... 1174
- Har-El, G: Endoscopic Management of 108 Sinus Mucoceles ..... 2131
- Hartnick, CJ, Lacy, PD, Myer, CM, III: Endoscopic Evaluation of the Infratemporal Fossa ..... 353
- Hartnick, CJ, Rudolph, C, Willging, JP, Holland, SK: Functional Magnetic Resonance Imaging of the Pediatric Swallow: Imaging the Cortex and the Brainstem ..... 1183
- Hathaway, B, Johnson, JT, Piccirillo, JF, Snyderman, CH, Wagner, RL, Labriola, S, Myers, EN: Chemoradiation for Metastatic SCCA: Role of Comorbidity ..... 1893
- Health-Related Quality of Life in Patients With Laryngeal Cancer: A Post-Treatment Comparison of Different Modes of Communication—Finizia, C, Bergman, B ..... 914
- Hearing Preservation Technique for the Resection of Extensive Jugular Foramen Tumors—Kim, CJ, Yoo, SJ, Nam, SY, et al ..... 2071
- Hickson, C, Simpson, B, Falcon, R: Laryngeal Pseudosulcus as a Predictor of Laryngopharyngeal Reflux ..... 1742
- Hillel, AD: The Study of Laryngeal Muscle Activity in Normal Human Subjects and in Patients With Laryngeal Dystonia Using Multiple Fine-Wire Electromyography ... Supplement No. 97
- Hinojosa, R, Nelson, EG, Lerner, SA, Redleaf, MI, Schramm, DR: Aminoglycoside Ototoxicity: A Human Temporal Bone Study .... 1797
- Histologic Analysis of Three-Dimensional Versus Two-Dimensional Tissue Expansion in the Porcine Model—Alex, JC, Bhattacharyya, TK, Smyrniotis, G, et al ..... 36
- Histological Characterization of the Thyroglossal Tract: Implications for Surgical Management—Chandra, RK, Maddalozzo, J, Kovarik, P ..... 1002
- Histology of Injected Autologous Fascia in the Paralyzed Canine Vocal Fold—Reijonen, P, Leivo, I, Nevalainen, T, et al ..... 1068
- Histopathological Changes of Chorda Tympani in Chronic Otitis Media—Gedikli, O, Dogru, H, Aydin, G, et al ..... 724
- Histopathology of Pleomorphic Adenoma in the Parotid Gland: A Prospective Unselected Series of 100 Cases—Stennert, E, Guntinas-Lichius, O, Klusmann, JP, et al ..... 2195
- Historical Vignette: Jazz and Otolaryngology: The Death of Guitarist Eddie Lang—Mandell, DL ..... 1980
- Ho, K-Y, Kuo, W-R, Chai, C-Y, Tsai, S-M, Sheu, S-H, Wu, S-C, Juan, K-H: A Prospective Study of p53 Expression and Its Correlation With Clinical Response of Radiotherapy in Nasopharyngeal Carcinoma ..... 131
- Hocwald, E, Korkmaz, H, Yoo, GH, Adsay, V, Shibuya, TY, Abrams, J, Jacobs, JR: Prognostic Factors in Major Salivary Gland Cancer ..... 1434
- Hodgkin's and Non-Hodgkin's Lymphoma of the Head and Neck—Urquhart, A, Berg, R ..... 1565
- Hoffer, ME, Allen, K, Kopke, RD, Weisskopf, Gottshall, K, Wester, D: Candidate's Thesis: Transtympanic Versus Sustained-Release Administration of Gentamicin: Kinetics, Morphology, and Function ..... 1343
- Hoffer, ME, Kopke, RD, Weisskopf, P, Gottshall, K, Allen, K, Wester, D, Balaban, C: Use of the Round Window Microcatheter in the Treatment of Meniere's Disease ..... 2046
- Hoffman, RA, Li, C-LJ: Tetracaine Topical Anesthesia for Myringotomy ..... 1636
- Holbrook, EH, DiNardo, LJ, Costanzo, RM: Olfactory Epithelium Grafts in the Cerebral Cortex: An Immunohistochemical Analysis ..... 1964
- Hong, KH, Jung, KS: Arytenoid Appearance and Vertical Level Difference Between the Paralyzed and Innervated Vocal Cords .. 227
- Hong, KH, Kim, JH, Kim, HK: Anterior and Posterior Medialization (APM) Thyroplasty ..... 1406
- Hong, SK, Min, Y-G, Kim, CN, Byun, SW: Endoscopic Removal of the Antral Portion of Antrochoanal Polyp by Powered Instrumentation ..... 1774
- Hough, JVD, Dyer, RK, Jr, Matthews, P, Wood, MW: Early Clinical Results: SOUNDTEC Implantable Hearing Device Phase II Study ..... 1
- How Does Endotoxin Trigger Inflammation in Otitis Media With Effusion?—Schousboe, LP, Ovesen, T, Eckhardt, L, et al ..... 297
- Howard, DJ, Lloyd, G, Lund, V: Recurrence and Its Avoidance in Juvenile Angiofibroma ..... 1509
- Huang, G-W, Mo, W-N, Kuang, G-Q, Nong, H-T, Wei, M-Y, Sunagawa, M, Kosugi, T: Expression of p16, nm23-H1, E-cadherin, and CD44 Gene Products and Their Significance in Nasopharyngeal Carcinoma ..... 1465
- Huang, H-M, Liu, C-M, Lin, K-N, Chen, H-T: Giant Ethmoid Osteoma

With Orbital Extension, a Nasoendoscopic Approach Using an Intranasal Drill .....	430
Huber, AM, Schwab, C, Linder, T, Stoeckli, SJ, Ferrazzini, M, Dillier, N, Fisch, U: Evaluation of Eardrum Laser Doppler Interferometry as a Diagnostic Tool .....	501
Human Papilloma Virus and p53 Expression in Carcinomas Associated With Sinonasal Papillomas: A Danish Epidemiological Study 1980-1998—Buchwald, C, Lindeberg, H, Pedersen, BL, et al ...	1104
Hyperthermic Supersaturated Humidification in the Treatment of Xerostomia—Criswell, MA, Sinha, CK .....	992
Hypopharyngeal Reconstruction Using Pectoralis Major Myocutaneous Flap and Pre-Vertebral Fascia—Spriano, G, Piantanida, R, Pellini, R .....	544

## I

Ihm, PS, Dray, T, Soffer, RA, Nathan, M, Hardin, NJ: Parathyroid Cysts: Diagnosis and Management .....	1576
Ilicali, OC, Kees, N, Deger, K, Sagun, OF, Güldiken, Y: Evaluation of the Effect of Passive Smoking on Otitis Media in Children by an Objective Method: Urinary Cotinine Analysis .....	163
Immediate Mobilization Following Fixation of Mandible Fractures: A Prospective Randomized Study—Kaplan, BA, Hoard, MA, Park, SS .....	1520
Immediate Percutaneous Medialization for Acute Vocal Fold Immobility With Aspiration—Anderson, TD, Mirza, N .....	1318
Immune Dysfunction in Refractory Sinusitis in a Tertiary Care Setting—Ballas, ZK .....	233
Imola, MJ, Gapany, M, Grund, F, Djaliani, H, Fehling, S, Adams, G: Technetium 99m Single Positron Emission Computed Tomography Scanning for Assessing Mandible Invasion in Oral Cavity Center .....	373
Implementation of a Clinical Pathway in Management of the Postoperative Vestibular Schwannoma Patient—Stidham, KR, Roberson, JB .....	1938
Improved Postoperative Pain Control in Pediatric Adenotonsillectomy With Dextromethorphan—Dawson, GS, Seidman, P, Ramadan, HH .....	1223
Improving the Otolaryngology Consultation Service in a Teaching Hospital—Carr, MM .....	1166
In Vivo Diagnosis of Nasopharyngeal Carcinoma Using Contact Rhinoscopy—Pak, MW, To, KF, Leung, SF, et al .....	1453
Inamura, T, Ino, C, Katoh, M, Kishimoto, A, Kumazawa, H, Matsumoto, A, Yamashita, T: A Simple Method to Estimate the Secretion of Salivary From Minor Salivary Glands Using Iodine-Starch Reaction .....	272
Incidence of Reflux in Young Children Undergoing Adenoidectomy—Carr, MM, Poje, CP, Ehrig, D, et al .....	2170
Inhibition of Motor Nerve Regeneration in a Rabbit Facial Nerve Model—Yan, CH, Paniello, RC, Spector, JG .....	786
Inner Ear Decompression Sickness in Sport Compressed-Air Diving—Nachum, Z, Shupak, A, Spitzer, O, et al .....	851
Insecticidal Activity of Common Reagents for Insect Foreign Bodies of the Ear—Antonelli, PJ, Ahmadi, A, Prevatt, A .....	15
Interpretation of the Structural Changes Responsible for the Chronicity of Rhinoscleroma—Canalis, RF, Zamboni, L .....	1020
Intraoperative Gamma Probe Localization of Parathyroid Adenomas—Sullivan, DP, Scharf, SC, Komisar, A .....	912
Intraoperative Magnetic Resonance Imaging for Skull Base Surgery—Dort, JC, Sutherland, GR .....	1570
Intratemporal Facial Nerve Neuroma: Anatomical Location and Radiological Features—Kertesz, TR, Shelton, C, Wiggins, RH, et al .....	1250
Intratympanic Steroid Injections for Intractable Ménière's Disease—Barrs, DM, Keyser, JS, Stallworth, C, et al .....	2100
Inverted Papilloma: A Review of 53 Cases—Thorpe, MA, Oyarzabal-Amigo, MF, du Plessis, et al .....	1401
Investigation of Airway Wound Healing Using a Novel in vivo Model—Hardillo, J, Vanclooster, C, Delaere, PR .....	1174
Investigation of <i>Helicobacter pylori</i> Colonization in Adenotonsillectomy Specimens By Means of the CLO Test—Unver, S, Kubilay, U, Sezen, OS, et al .....	2183
Invited Presidential Lecture: Max Goldstein, MD: His Continuing Influences on Our Specialty—Bailey, BJ .....	1675
Ionomeric Cement in the Human Middle Ear Cavity: Long-Term Results of 23 Cases—Kupperman, D, Tange, RA .....	306
Is Dissection of Level IV Necessary in Patients With T1-T3 N0 Tongue Cancer?—Khafif, A, Lopez-Garza, JR, Medina, JE .....	1088
Is It Time to Develop an 'Ultrasound System' for Use in Patients With Head and Neck Malignancies?—Ferlito, A, Devaney, KO, Rinaldo, A .....	185
Ishiyama, A, Canalis, RF: Otolological Manifestations of Churg-Strauss Syndrome .....	1619
Ischiki, N, Haji, T, Yamamoto, Y, Mahieu: Thyroplasty for Adductor Spasmodic Dysphonia: Further Experiences .....	615
Ito, I, Imada, M, Ikeda, M, Sueno, K, Arikuni, T, Kida, A: A Morphological Study of Age Changes in Adult Human Auricular Cartilage With Special Emphasis on Elastic Fibers .....	881

## J

Jecker, P, McWilliam, A, Marsh, A, Holt, PG, Mann, WJ, Pabst, R, Westermann, J: Acute Laryngotracheitis in the Rat Induced by Sendai Virus: The Influx of Six Different Types of Immunocompetent Cells Into the Laryngeal Mucosa Differs Strongly Between the Subglottic and the Glottic Compartment .....	1645
Jinn, TH, Kim, PD, Russell, PT, Church, CA, John, EO, Jung, TTK: Determination of Ototoxicity of Common Otic Drops Using Isolated Cochlear Outer Hair Cells .....	2105
Johns, MM, Urbanchek, M, Chepeha, DB, Kuzon, WM, Jr, Hogikyan, ND: Thyroarytenoid Muscle Maintains Normal Contractile Force in Chronic Vocal Fold Immobility .....	2152
Johnson, PE, Koufman, JA, Nowak, LJ, Belafsky, PC, Postma, GN: Ambulatory 24-Hour Double-Probe pH Monitoring: The Importance of Manometry .....	1970
Juvenile Nasopharyngeal Angiofibroma: Management and Therapy—Scholtz, AW, Appenroth, E, Kammen-Jolly, K, et al ...	681

## K

Kahn, JB, Gliklich, RE, Boyev, P, Stewart, MG, Metson, RB, McKenna, MJ: Validation of a Patient-Graded Instrument for Facial Nerve Paralysis: The FaCE Scale .....	387
Kaplan, BA, Hoard, MA, Park, SS: Immediate Mobilization Following Fixation of Mandible Fractures: A Prospective Randomized Study .....	1520
Kaplan, DM, Marais, J, Ogawa, T, Kraus, M, Rutka, JA, Bance, ML: Does High-Frequency Pseudo-random Rotational Chair Testing Increase the Diagnostic Yield of the ENG Caloric Test in Detecting Bilateral Vestibular Loss in the Dizzy Patient? .....	959
Kaygusuz, I, Celik, O, Özkaya, Ö, Yalçın, S, Keles, E, Cetinkaya, T: Effects of Interferon- $\alpha$ -2b and Octreotide on Healing of Esophageal Corrosive Burns .....	1999
Kaylie, DM, Hefeneider, SH, Kempton, JB, Siess, DC, Vedder, CT, Merken, LS, Trune, DR: Decreased Cochlear DNA Receptor Staining in MRL Mpl-Fas <sup>lpr</sup> Autoimmune Mice With Hearing Loss .....	1275
Kazkayasi, M, Ergin, A, Ersoy, M, Bengi, O, Tekdemir, I, Elhan, A: Certain Anatomical Relations and the Precise Morphometry of the Infraorbital Foramen—Canal and Groove: An Anatomical and Cephalometric Study .....	609
Kelly, G, Lee, P: A New Technique for the Insertion of a Silastic Button for Septal Perforators .....	539
Kendall, KA, Leonard, RJ: Bolus Transit and Airway Protection Coordination in Older Dysphagic Patients .....	2017
Kennedy, TL, Whitaker, M, Pellitteri, P, Wood, WE: Cystic Hygroma/Lymphangioma: A Rational Approach to Management .....	1929
Kertesz, TR, Shelton, C, Wiggins, RH, Salzman, KL, Glastonbury, CM, Harnsberger, R: Intratemporal Facial Nerve Neuroma: Anatomical Location and Radiological Features .....	1250
Khabie, N, Savva, A, Kasperbauer, JL, McGovern, R, Gostout, B, Strome, SE: Epstein-Barr Virus DNA Is Not Increased in Tonsillar Carcinoma .....	811
Khafif, A, Lopez-Garza, JR, Medina, JE: Is Dissection of Level IV Necessary in Patients With T1-T3 N0 Tongue Cancer? .....	1088
Kierner, AC, Zelenka, I, Gstoettner, W: The Sternocleidomastoid Flap—Its Indications and Limitations .....	2201
Kim, CJ, Yoo, SJ, Nam, SY, Kim, SY: A Hearing Preservation Technique for the Resection of Extensive Jugular Foramen Tumors .....	2071
Kim, H-J, Tinling, SP, Chole, RA: Expression Patterns of Cytokeratins in Retraction Pocket Cholesteatomas .....	1032
Kim, H-U, Kim, S-S, Kang, SS, Chung, IH, Lee, J-G, Yoon, J-H: Surgical Anatomy of the Natural Ostium of the Sphenoid Sinus .....	1599
Kim, J-W, Min, Y-G, Rhee, C-S, Lee, C-H, Koh, YY, Rhyoo, C, Kwon, T-Y, Park, S-W: Regulation of Mucociliary Motility by Nitric Oxide and Expression of Nitric Oxide Synthase in the Human Sinus Epithelial Cells .....	246
Kim, KS, Kim, HU, Chung, IH, Lee, JG, Park, IY, Yoon, J-H: Surgical Anatomy of the Nasofrontal Duct: Anatomical and Computed Tomographic Analysis .....	603
Kim, S-S, Lee, J-G, Kim, K-S, Kim, HU, Chung, IH, Yoon, J-H:	



Computed Tomographic and Anatomical Analysis of the Basal Lamellas in the Ethmoid Sinus .....	424
Kirke, DJ, Roberson, DW: Surgical Management of Retropharyngeal Space Infections in Children .....	1413
Kitajiri, S-i, Tabuchi, K, Hiraumi, H, Kaetsu, H: Relief of Post-Tonsillectomy Pain by Release of Lidocaine From Fibrin Glue ....	642
Klenoff, JR, Lowlicht, RA, Lesnik, T, Sasaki, CT: Mandibular and Temporomandibular Joint Arthropathy in the Differential Diagnosis of the Parotid Mass .....	2162
Klotz, DA, Howard, J, Hengerer, AS, Slupchynski, O: Lipoinjection Augmentation of the Soft Palate for Velopharyngeal Stress Incompetence .....	2157
Kloutsos, G, Balatsouras, DG, Kaberos, AC, Kandiloros, D, Ferekidis, E, Economou, C: Upper Airway Edema Resulting From Use of <i>Ecballium elaterium</i> ...	1652
Knecht, M, Kühnau, D, Hüttenbrink, K-B, Witt, M, Hummel, T: Frequency and Localization of the Putative Vomeronasal Organ in Humans in Relation to Age and Gender .....	448
Koch, WM: A Failsafe Technique for Endoscopic Tracheoesophageal Puncture .....	1663
Kojima, H, Miyazaki, H, Shiwa, M, Tanaka, Y, Moriyama, H: Molecular Biological Diagnosis of Congenital and Acquired Cholesteatoma on the Basis of Differences in Telomere Length .....	867
Koufman, JA, Belafsky, PC: Unilateral or Localized Reinke's Edema (Pseudocyst) as a Manifestation of Vocal Fold Paresis: The Paresis Podule .....	576
Krishna, P, Lee, D: Post-Tonsillectomy Bleeding: A Meta-Analysis .....	1358
Kupperman, D, Tange, RA: Ionomeric Cement in the Human Middle Ear Cavity: Long-Term Results of 23 Cases .....	306

## L

Lai, J-P, Tao, Z-D, Xiao, J-Y, Chen, X-H, Zhao, S-P, Tian, Y-Q, Betz, CS: Microinvasive Nd:YAG Laser Therapy of Early Glottic Carcinoma and Its Effect on Soluble Interleukin-2 Receptor, Interleukin-2, and Natural Killer Cells .....	1585
Laidlaw, DW, Costantino, PD, Govindaraj, S, Hiltzik, DH, Catalano, PJ: Tympanic Membrane Repair With a Dermal Allograft .....	702
Lam, HCK, Soo, G, Wormald, PJ, Van Hasselt, CA: Excision of the Preauricular Sinus: A Comparison of Two Surgical Techniques ..	317
Landsberg, R, Friedman, M: A Computer-Assisted Anatomical Study of the Nasofrontal Region .....	2125
Laryngeal Angiosarcoma: A Clinicopathologic Study of Five Cases With a Review of the Literature—Loos, BM, Wieneke, JA, Thompson, LDR .....	1197
Laryngeal Pseudosulcus as a Predictor of Laryngopharyngeal Reflux—Hickson, C, Simpson, B, Falcon, R .....	1742
Laryngopharyngeal Reflux Symptoms Improve Before Changes in Physical Findings—Belafsky, PC, Postma, GN, Koufman, JA ....	979
Laryngospasm: An Atypical Manifestation of Severe Gastroesophageal Reflux Disease (GERD)—Maceri, DR, Zim, S .....	1976
Laryngotracheal Anastomosis: Primary and Revised Procedures—Wolf, M, Shapira, Y, Talmi, YP, et al .....	5212
Laser Arytenoidectomy for Bilateral Median Vocal Fold Fixation—Sato, K, Umeno, H, Nakashima, T .....	168
Lavertu, P, Adelstein, DJ, Myles, J, Secic, M: Candidate's Thesis: p53 and Ki-67 as Outcome Predictors for Advanced Squamous Cell Cancers of the Head and Neck Treated With Chemoradiotherapy .....	1878
Learning Curve for Translaryngeal Tracheotomy in Head and Neck Surgery—Giugliano, G, Venturino, M, DePaoli, F, et al .....	628
Lebowitz, RA, Terk, A, Jacobs, JB, Holliday, RA: Asymmetry of the Ethmoid Roof: Analysis Using Coronal Computed Tomography .....	2122
Lee, D-H, Park, Y-S, Jung, TTK, Yeo, S-W, Choi, Y-C, Jeon, E-j: Effect of Tumor Necrosis Factor- $\alpha$ on Experimental Otitis Media With Effusion .....	728
Lee, F-P: Endoscopic Extraction of an Intranasal Tooth: A Review of 13 Cases .....	1027
Lee, JH, Sherris, DA: Cervicofacial Rhytidectomy After Head and Neck Tumor Removal .....	1702
Lentsch, EJ, Myers, JN: Clinical State of the Art Review: Melanoma of the Head and Neck: Current Concepts in Diagnosis and Management .....	1209
Leonard, R, Kendall, K: Phonoscopy—A Valuable Tool for Otolaryngologists and Speech-Language Pathologists in the Management of Dysphonic Patients .....	1760
Levels of Expression of Galectin-3, But Not of Galectin-1 and Galectin-8, Correlate With Apoptosis in Human Cholesteatomas—Sheikholeslam-Zadeh, R, Decaestecker, C, Delbrouck, C, et al ..	1042
Levin, R, Trivikram, L: Cost/Benefit Analysis of Open Tracheotomy, in	

the OR and at the Bedside, With Percutaneous Tracheotomy ...	1169
Li, D, Zeiders, JW, Liu, S, Guo, M, Xu, Y, Bishop, JS, O'Malley, BW: Combination Nonviral Cytokine Gene Therapy for Head and Neck Cancer .....	815
Li, KK, Troell, RJ, Riley, RW, Powell, NB, Koester, U, Guilleminault, C: Uvulopalatopharyngoplasty, Maxillomandibular Advancement, and the Velopharynx .....	1075
Liktor, B, Csokonai, LV, Gerlinger, I: A New Endoscopic Surgical Method for Unilateral Choanal Atresia .....	364
Lin, C-D, Tan, C-T, Cheng, Y-K: Ventilation Silicone T-Shaped Tube Insertion .....	361
Lin, H-S, Ibrahim, HZ, Kheng, JW, Fee, WE, Terris, DJ: Percutaneous Endoscopic Gastrostomy: Strategies for Prevention and Management of Complications .....	1847
Lindsey, WH: Candidate's Thesis: Osseous Tissue Engineering With Gene Therapy for Facial Bone Reconstruction .....	1128
Lipoinjection Augmentation of the Soft Palate for Velopharyngeal Stress Incompetence—Klotz, DA, Howard, J, Hengerer, AS, et al .....	2157
Liu, Y-H, Li, M-J, Wang, P-C, Ho, S-T, Chang, C-F, Ho, C-M, Wang, J-J: Use of Dexamethasone on the Prophylaxis of Nausea and Vomiting After Tympanomastoid Surgery .....	1271
L-N-Acetyl-Cysteine Protection Against Cisplatin-Induced Auditory Neuronal and Hair Cell Toxicity—Feghali, JG, Liu, W, Van De Water, TR .....	1147
Local Vasodilator Response to Mobile Phones—Paredi, P, Kharitonov, SA, Hanazawa, T, et al .....	159
Long-Term Follow-up Results of Electrogustometry and Subjective Taste Disorder After Middle Ear Surgery—Saito, T, Manabe, Y, Shibamori, Y, et al .....	2064
Long-Term Results of Inferior Turbinate Reduction With Argon Plasma Coagulation—Bergler, WF, Sadick, H, Hammerschmitt, N, et al .....	1593
Long-Term Stapedectomy Results With the McGee Stapes Prosthesis—Raske, M, Welling, JD, Gillum, T, et al .....	2060
Loos, BM, Wieneke, JA, Thompson, LDR: Laryngeal Angiosarcoma: A Clinicopathologic Study of Five Cases With a Review of the Literature .....	1197
Lübbers, B, Stoll, W, Grenzebach, U: Optic Nerve Decompression in the Comatose and Conscious Patients After Trauma .....	320
Luetje, CM: Saddle Blanket Graft Tympanoplasty and Lateral Attic Wall Reconstruction for Defects Produced by Primary Acquired Cholesteatoma .....	1497
Luntz, M, Teszler, CB, Shpak, T, Feiglin, H, Farah-Sima'am, A: Cochlear Implantation in Healthy and Otitis-Prone Children: A Prospective Study .....	1614

## M

Maceri, DR, Zim, S: Laryngospasm: An Atypical Manifestation of Severe Gastroesophageal Reflux Disease (GERD) .....	1976
Maddalozzo, J, Venkatesan, TK, Gupta, P: Complications Associated With the Sistrunk Procedure .....	119
Maghami, EG, Bonyadlou, S, Larian, B, Borges, A, Abemayor, E, Lufkin, RB: Magnetic Resonance Imaging-Guided Fine-Needle Aspiration Biopsies of Retropharyngeal Lesions .....	2218
Magliulo, G, Cianfrone, G, Triches, L, Altissimi, G, D'Amico, R: Distortion-Product Otoacoustic Emissions and Glycerol Testing in Endolymphatic Hydrops .....	102
Magnetic Resonance Imaging-Guided Fine-Needle Aspiration Biopsies of Retropharyngeal Lesions—Maghami, EG, Bonyadlou, S, Larian, B, et al .....	2218
Magritz, R, Jurk, V, Reusche, E, Siegert, R: Water-Jet Dissection in Parotid Surgery: An Experimental Study in Dogs .....	1579
Major, MS, Bumpous, JM, Flynn, MB, Schill, K: Quality of Life After Treatment for Advanced Laryngeal and Hypopharyngeal Cancer .....	1379
Malhotra, PS, Danahey, D, Sidman, J: Bilateral Lateral Rhinotomy Incisions for Medial Maxillectomies in the Management of Pediatric Invasive Fungal Sinusitis .....	1960
Management of Acute Pulmonary Hemorrhage in Children—Sidman, JD, Wheeler, WB, Cabalka, AK, et al .....	33
Management of Chronic Otitis Media With Effusion: The Role of Glutathione—Testa, B, Testa, D, Mesolella, M, et al .....	1486
Management of Cranial Defects After Frontal Osteoplastic Flap—Rubinstein, B, Strong, EB .....	541
Management of Nasopharyngeal Salivary Gland Malignancy—Schramm, VL, Jr, Imola, MJ .....	1533
Mandell, DL: Historical Vignette: Jazz and Otolaryngology: The Death of Guitarist Eddie Lang .....	1980
Mandibular and Temporomandibular Joint Arthropathy in the Differential Diagnosis of the Parotid Mass—Klenoff, JR, Lowlicht, RA, Lesnik, T, et al .....	2162



Marple, BF: Clinical State of the Art Review: Allergic Fungal Rhinosinusitis: Current Theories and Management Strategies	1006
Massick, DD, Yao, S, Powell, DM, Griesen, D, Hobgood, T, Allen, JN, Schuller, DE: Bedside Tracheostomy in the Intensive Care Unit: A Prospective Randomized Trial Comparing Open Surgical Tracheostomy With Endoscopically Guided Percutaneous Dilational Tracheostomy	494
Mauri, M, Neto, JFL, Fuchs, SC: Evaluation of Inlay Butterfly Cartilage Tympanoplasty: A Randomized Clinical Trial	1479
McDonnell, JP, Needleman, HL, Charchut, S, Allred, EN, Roberson, DW, Kenna, MA, Jones, D: The Relationship Between Dental Overbite and Eustachian Tube Dysfunction	310
Medial Canthal Ligament Reattachment in Skull Base Surgery and Trauma—Ducic, Y	734
Medina, JE, Khafif, A: Candidate's Thesis: Early Oral Feeding Following Total Laryngectomy	368
Merkus, P, Remeijn, SG, Verhoef, JC, Merkus, FWHM, Schouwenburg, PF: Classification of Cilio-Inhibiting Effects of Nasal Drugs	595
Methylene Blue and Sestamibi: Complementary Tools for Localizing Parathyroids—Orloff, LA	1901
Microbiology of Chronic Frontal Sinusitis—Schlosser, RJ, London, SD, Gwaltney, JM, Jr	1330
Microbiology of Mucopyocele—Brook, I, Frazier, EH	1771
Microbiology of Normal External Auditory Canal—Stroman, DW, Roland, PS, Dohar, J, et al	2054
Microinvasive Nd:YAG Laser Therapy of Early Glottic Carcinoma and Its Effect on Soluble Interleukin-2 Receptor, Interleukin-2, and Natural Killer Cells—Lai, J-P, Tao, Z-D, Xiao, J-Y, et al	1585
Microwave Decalcification of Human Temporal Bones—Cunningham, CD, III, Schulte, BA, Bianchi, LM, et al	278
Middle Ear Effusions and Structure of the Tympanic Membrane—Wielinga, EWJ, Peters, TA, Tonnaer, ELGM, et al	90
Modern Concepts of Frontal Sinus Surgery—Weber, R, Draf, W, Kratzsch, B, et al	137
Modified Lothrop Procedure: Lessons Learned—Gross, CW, Schlosser, RJ	1302
Modulation of Myosin Heavy Chains in Rat Laryngeal Muscle—Shiotani, A, Nakagawa, H, Flint, PW	472
Moe, KS, Weisman, RA: Resorbable Fixation in Facial Plastic and Head and Neck Reconstructive Surgery: An Initial Report on Polylactic Acid Implants	1697
Molecular Biological Diagnosis of Congenital and Acquired Cholesteatoma on the Basis of Differences in Telomere Length—Kojima, H, Miyazaki, H, Shiwa, M, et al	867
Molecular Differences in Mucoepidermoid Carcinoma and Adenoid Cystic Carcinoma of the Major Salivary Glands—Gibbons, MD, Manne, U, Carroll, WR, et al	1373
Moon, H-J, Kim, H-U, Lee, J-G, Chung, IH, Yoon, J-H: Surgical Anatomy of the Anterior Ethmoidal Canal in Ethmoid Roof	900
Morphological Study of Age Changes in Adult Human Auricular Cartilage With Special Emphasis on Elastic Fibers—Ito, I, Imada, M, Ikeda, M, et al	881
Motility-Related Proteins as Markers for Head and Neck Squamous Cell Cancer—Abraham, MT, Kuriakose, A, Sacks, PG, et al	1285
MRI Detection of Cervical Metastasis From Differentiated Thyroid Carcinoma—Gross, ND, Weissman, JL, Talbot, M, et al	1905
Mucosal Immunity of the Middle Ear: Analysis at the Single Cell Level—Suenaga, S, Kodama, S, Ueyama, S, et al	290
Mutation and Abnormal Expression of the Fragile Histidine Triad Gene in Nasopharyngeal Carcinoma—Deng, Y-F, Tian, F, Lu, Y-D, et al	1589
Mutzbauer, TS, Neubauer, B, Mueller, PHJ, Sigg, O, Tetzlaff, K: Can Eustachian Tube Ventilatory Function Impairment After Oxygen Diving Be Influenced by Application of Free Radical Scavenger Vitamins C and E?	861
Mycobacterial Infection of the Head and Neck: Presentation and Diagnosis—Al-Serhani, AM	2012

## N

Nachum, Z, Shupak, A, Spitzer, O, Sharoni, Z, Doweck, I, Gordon, CR: Inner Ear Decompression Sickness in Sport Compressed-Air Diving	851
Nakagawa, T, Asada, M, Takashima, T, Tomiyama, K: Sellar Reconstruction After Endoscopic Transnasal Hypophysectomy	2077
Nakashima, T, Sun, S-Y, Lotan, R, Fujiwara, T, Yasumatsu, R, Komiya, S, Clayman, GL: All-trans-retinoic Acid Enhances the Effect of Adenovirus-Mediated Wild-Type p53 Gene Transfer in Head and Neck Squamous Cell Carcinoma	1459
Nasal Ciliary Function and Ultrastructure in Down Syndrome—Piatti, G, Allegra, L, Ambrosetti, U, et al	1227
Nasal Nitric Oxide and the Nasal Cycle—Qian, W, Sabo, R, Ohm, M, et	

al	1603
Neely, JG, Hartman, JM, Wallace, MS: Building the Powerful 10-Minute Office Visit: Part II. Beginning a Critical Literature Review	70
Neely, JG, Hartman, JM, Wallace, MS, Forsen, JW, Jr: Tutorials in Clinical Research: Part III. Selecting a Research Approach to Best Answer a Clinical Question	821
Neonatal Subglottic Stenosis—Incidence and Trends—Walner, DL, Loewen, MS, Kimura, RE	48
Neuchrist, C, Erovic, BM, Handisury, A, Steiner, GE, Rockwell, P, Gedlicka, C, Burian, M: Vascular Endothelial Growth Factor Receptor 2 (VEGFR2) Expression in Squamous Cell Carcinomas of the Head and Neck	1834
New Clinical Classification for Usher's Syndrome Based on a New Subtype of Usher's Syndrome Type I—Otterstedde, CR, Spandau, U, Blankenagel, A, et al	84
New Endoscopic Surgical Method for Unilateral Choanal Atresia—Liktov, B, Csokonai, LV, Gerlinger, I	364
New Technique for the Insertion of a Silastic Button for Septal Perforators—Kelly, G, Lee, P	539
New Turbinoplasty Technique for the Management of Concha Bullosa: Our Short-Term Outcomes—Dogru, H, Tüz, M, Uygur, K, et al	172
Ng, M, Srireddy, S, Horlbeck, DM, Niparko, JK: Safety and Patient Experience With Transtympanic Electrocochleography	792
Nitric Oxide Contributes to Control of Effusion in Experimental Otitis Media—Ryan, AF, Bennett, T	301
Nitric Oxide Improves Cisplatin Cytotoxicity in Head and Neck Squamous Cell Carcinoma—Azizzadeh, B, Yip, HT, Blackwell, KE, et al	1896
Nontuberculous Mycobacterial Adenitis of the Head and Neck in Children: Experience From a Tertiary Care Pediatric Center—Rahal, A, Abela, A, Arcand, PH	1791
Noordzij, JP, Khidr, A, Evans, BA, Desper, E, Mittal, RK, Reibel, JF, Levine, PA: Evaluation of Omeprazole in the Treatment of Reflux Laryngitis: A Prospective Placebo-Controlled Randomized Double-Blind Study	2147
Noss, RS, Lalwani, AK, Yingling, CD: Facial Nerve Monitoring in Middle Ear and Mastoid Surgery	831
Nucleus Contour Electrode Array: A Radiological and Histological Study—Richter, B, Aschendorff, A, Lohnstein, P, et al	508

## O

Occurrence of Sleep-Disordered Breathing Among Patients With Head and Neck Cancer—Friedman, M, Landsberg, R, Pryor, S, et al	1917
Ochi, K, Ohashi, T, Nishino, H: Variance of Vestibular-Evoked Myogenic Potentials	522
Ochi, K, Ohashi, T: Sound-Evoked Myogenic Potentials and Responses With 3-ms Latency in Auditory Brainstem Response	1818
Office Myringoplasty With Alloderm—Saadat, D, Ng, M, Vadapalli, S, et al	181
Ogura Lecture: Morphologic Correlates for Laryngeal Reinnervation—Gacek, RR	1871
Olfactory Epithelium Grafts in the Cerebral Cortex: An Immunohistochemical Analysis—Holbrook, EH, DiNardo, LJ, Costanzo, RM	1964
Olson, KL, Manolidis, S, Hayman, A, Chan, L-L, Taber, KH: Use of Reconstructed Sagittal Computed Tomography Images to Plan Middle Cranial Fossa Surgery	2095
Optic Nerve Decompression in the Comatose and Conscious Patients After Trauma—Lübben, B, Stoll, W, Grenzebach, U	320
Optimal Concentration of Epinephrine for Vasoconstriction in Ear Surgery—Gessler, EM, Hart, KE, Dunlevy, TM, et al	1687
Orloff, LA: Methylene Blue and Sestamibi: Complementary Tools for Localizing Parathyroids	1901
Orvidas, LJ, Slattery, MJ: Pediatric Autoimmune Neuropsychiatric Disorders and Streptococcal Infections: Role of Otolaryngologist	1515
Otological Manifestations of Churg-Strauss Syndrome—Ishiyama, A, Canalis, RF	1619
Otterstedde, CR, Spandau, U, Blankenagel, A, Kimberling, WJ, Reisser, C: A New Clinical Classification for Usher's Syndrome Based on a New Subtype of Usher's Syndrome Type I	84
Outcome Analysis of Cochlear Implant Reimplantation in Children—Parisier, SC, Chute, PM, Popp, AL, et al	26
Outcomes and Patient-Based Hearing Status in Conductive Hearing Loss—Stewart, MG . . . Supplement No. 98	
Overexpansion of p53-Related Proteins Predicts Rapid Growth Rate of Head and Neck Cancer—Edström, S, Cvetkovska, E, Westin, T, et al	124

# P

Pak, MW, To, KF, Leung, SF, van Hasselt, CA: In Vivo Diagnosis of Nasopharyngeal Carcinoma Using Contact Rhinoscopy .....	1453
Palacios, SD, Oehl, HJ, Rivkin, AZ, Aletsee, C, Pak, K, Ryan, AF: Growth Factors Influence Growth and Differentiation of the Middle Ear Mucosa .....	874
Parathyroid Cysts: A Case Report and Review of the Literature—Fortson, JK, Patel, VG, Henderson, VJ .....	1726
Parathyroid Cysts: Diagnosis and Management—Ihm, PS, Dray, T, Sofferan, RA, et al .....	1576
Paredi, P, Kharitonov, SA, Hanazawa, T, Barnes, PJ: Local Vasodilator Response to Mobile Phones .....	159
Pariser, SC, Chute, PM, Popp, AL, Suh, GD: Outcome Analysis of Cochlear Implant Reimplantation in Children .....	26
Parsons, DS, Bothwell, MR: Powered Instrument Papilloma Excision: An Alternative to Laser Therapy for Recurrent Respiratory Papilloma .....	1494
Partial Frontolateral Laryngectomy With Epiglottic Reconstruction for Management of Early-Stage Glottic Carcinoma—Giovanni, A, Gueffucci, B, Gras, R, et al .....	663
Paydarfar, JA, Paniello, RC: Functional Study of Four Neurotoxins as Inhibitors of Post-traumatic Nerve Regeneration .....	844
Pediatric Adenoidectomy Under Vision Using Suction-Diathermy Ablation—Walker, P .....	2173
Pediatric Autoimmune Neuropsychiatric Disorders and Streptococcal Infections: Role of Otolaryngologist—Orvidas, LJ, Slaterry, MJ .....	1515
Pediatric Fluctuating Sensorineural Hearing Loss: Problems in Medical Management—Dinces, EA, Yang, S, Balogun, AO .....	21
Pediatric Laser-Assisted Tympanostomy—Silverstein, H, Jackson, LE, Rosenberg, SI, et al .....	905
Percutaneous Endoscopic Gastrostomy: Strategies for Prevention and Management of Complications—Lin, H-S, Ibrahim, HZ, Kheng, JW, et al .....	1847
Perez, R, Ziv, E, Freeman, S, Sichel, J-Y, Sohmer, H: Vestibular End-Organ Impairment in an Animal Model of Type 2 Diabetes Mellitus .....	110
Pham, TH, Wong, BJF, Allison, G: Teaching Case: A Large Arteriovenous Malformation of the External Ear in an Adult: Report of a Case and Approach to Management .....	1390
Phonoscopy—A Valuable Tool for Otolaryngologists and Speech-Language Pathologists in the Management of Dysphonic Patients—Leonard, R, Kendall, K .....	1760
Phonosurgical Reconstruction of Early Glottic Cancer—Zeitels, SM, Jarboe, J, Franco, RA .....	1862
Photofrin-Mediated Photodynamic Therapy for Treatment of Aggressive Head and Neck Nonmelanomatous Skin Tumors in Elderly Patients—Schweitzer, VG .....	1091
Physical Therapy Outcomes for Persons With Bilateral Vestibular Loss—Brown, KE, Whitney, SL, Wrisley, DM, et al .....	1812
Piatti, G, Allegra, L, Ambrosetti, U, De Santi, MM: Nasal Ciliary Function and Ultrastructure in Down Syndrome .....	1227
Piot, B, Rousset, N, Lenz, P, Eléouet, S, Carré, J, Vonarx, V, Bourré, L, Patrice, T: Enhancement of Delta Aminolevulinic Acid—Photodynamic Therapy In Vivo by Decreasing Tumor pH With Glucose and Amiloride .....	2205
Post, JC: Candidate's Thesis: Direct Evidence of Bacterial Biofilms in Otitis Media .....	2083
Post-Tonsillectomy Bleeding: A Meta-Analysis—Krishna, P, Lee, D .....	1358
Powell, NB, Schechtman, KB, Riley, RW, Li, K, Troell, R, Guilleminault, C: The Road to Danger: The Comparative Risks of Driving While Sleepy .....	887
Powell, NB, Zonato, AI, Weaver, EM, Li, K, Troell, R, Riley, RW, Guilleminault, C: Radiofrequency Treatment of Turbinate Hypertrophy in Subjects Using Continuous Positive Airway Pressure: A Randomized Double-Blind Placebo-Controlled Clinical Pilot Trial .....	1783
Powered Instrument Papilloma Excision: An Alternative to Laser Therapy for Recurrent Respiratory Papilloma—Parsons, DS, Bothwell, MR .....	1494
Predicting Fall Risks in an Elderly Population: Computer Dynamic Posturography Versus Electronystagmography Test Results—Girardi, M, Konrad, HR, Amin, M, et al .....	1528
Predictive Value of Serum Interleukins in Recurrent Respiratory Papillomatosis: A Preliminary Study—Snowden, RT, Thompson, J, Horwitz, E, et al .....	404
Preoperative Computed Tomography Diagnosis of Non-Recurrent Inferior Laryngeal Nerve—Watanabe, A, Kawabori, S, Osanai, H, et al .....	1756
Preoperative Computed Tomography Scans for Parotid Tumor Evaluation—Urquhart, A, Hutchins, LG, Berg, RL .....	1984

Preoperative Differences Between Male and Female Patients With Sleep Apnea—Walker, RP, Durazo-Arzu, R, Wachter, B, et al .....	1501
Preoperative Functional Assessment of Auditory Cortex in Adult Cochlear Implant Users—Roland, PS, Tobey, EA, Devous, MD, Sr .....	77
Presidential Address: Hermann von Helmholtz: A Giant of Science Who Cast His Shadow on Otolaryngology—Applebaum, EL .....	937
Pretreatment With Portal Venous Ultraviolet B Irradiated Donor Alloantigen Promotes Donor-Specific Tolerance to Rat Nerve Allografts—Genden, EM, Mackinnon, SE, Yu, S, et al .....	439
Prevalence of Occult Carotid Artery Stenosis in Patients With Head and Neck Squamous Cell Carcinoma—Cote, CT, Goff, J, Barry, P, et al .....	2214
Prevention of Vomiting After Tonsillectomy in Children: Granisetron Versus Ramosetron—Fujii, Y, Saitoh, Y, Kobayashi, N .....	255
Primary Intubation of Cartilage Tympanoplasties—Danner, CJ, Dornhoffer, JL .....	177
Prognostic Factors in Major Salivary Gland Cancer—Hocwald, E, Korkmaz, H, Yoo, GH, et al .....	1434
Progressive Sensorineural Hearing Loss in Children With Mitochondrial Encephalomyopathies—Zwirner, P, Wilichowski, E .....	515
Proportion of Heritable Paraganglioma Cases and Associated Clinical Characteristics—Drovdlic, CM, Myers, EN, Peters, JA, et al .....	1822
Prospective Comparison of Scalpel Versus Bipolar Scissors in the Elevation of Radial Forearm Fasciocutaneous Free Flaps—Wax, MK, Winslow, C, Desyatnikova, S, et al .....	568
Prospective Study of p53 Expression and Its Correlation With Clinical Response of Radiotherapy in Nasopharyngeal Carcinoma—Ho, K-Y, Kuo, W-R, Chai, C-Y, et al .....	131
Prospective Study of Quality of Life in Head and Neck Cancer Patients. Part I: At Diagnosis—Hammerlid, E, Bjordal, K, Ahlner-Elmqvist, M, et al .....	669
Prospective Study of Quality of Life in Head and Neck Cancer Patients. Part II: Longitudinal Data—Bjordal, K, Ahlner-Elmqvist, M, Hammerlid, E, et al .....	1440
Prospective Study on Pros and Cons of Electrodisssection Tonsillectomy—Blomgren, K, Qvarnberg, YH, Valtanen, HJ .....	478
Prosthetic Management of Pharyngocutaneous Fistula by Means of a Salivary Conduit—Zaki, HS, Kharchaf, M, Carrau, RL .....	548
Prosthetic Obturation of Tracheoesophageal Fistula—Zaki, HS, Studer, SP, Kharchaf, M, et al .....	359
Pseudotumor of Infancy and Congenital Muscular Torticollis: 170 Cases—Wei, JL, Schwartz, KM, Weaver, AL, et al .....	688
Pulsed-Dye Laser and Retinoid Acid Delay Progression of Oral Squamous Cell Carcinoma: A Murine Model—Shah, RK, Valez, TA, Wang, Z, et al .....	1203

# Q

Qian, W, Sabo, R, Ohm, M, Haight, JSJ, Fenton, RS: Nasal Nitric Oxide and the Nasal Cycle .....	1603
Quality of Life After Treatment for Advanced Laryngeal and Hypopharyngeal Cancer—Major, MS, Bumpous, JM, Flynn, MB, et al .....	1379
Quantitative Analysis of Mucin and Lectin in Maxillary Sinus Fluids in Patients With Acute and Chronic Sinusitis—Shinogi, J, Harada, T, Nonoyama, T, et al .....	240
Quantitative Analysis of Videostroboscopic Images in Presbylarynges—Bloch, I, Behrman, A .....	2022
Qvist, M, Grontved, AM: Chronic Otitis Media Sequelae in Skeletal Material From Medieval Denmark .....	114

# R

Radial Forearm Free Flap Pharyngoesophageal Reconstruction—Azizzadeh, B, Yafai, S, Rawnsley, JD, et al .....	807
Radiofrequency Ablation of Lymphangiomatous Macroglossia—Cable, BB, Mair, EA .....	1859
Radiofrequency Is a Safe and Effective Treatment of Turbinate Hypertrophy—Coste, A, Yona, L, Blumen, M, et al .....	894
Radiofrequency Treatment of Turbinate Hypertrophy in Subjects Using Continuous Positive Airway Pressure: A Randomized Double-Blind Placebo-Controlled Clinical Pilot Trial—Powell, NB, Zonato, AI, Weaver, EM, et al .....	1783
Rahal, A, Abela, A, Arcand, PH: Nontuberculous Mycobacterial Adenitis of the Head and Neck in Children: Experience From a Tertiary Care Pediatric Center .....	1791
Ramadan, HH: Timing of Endoscopic Sinus Surgery in Children: Is There an Impact on Outcome? .....	1709
Rasgon, BM: Use of Low-Dose Technetium Tc 99m Sulfur Colloid to	

Locate Sentinel Lymph Nodes in Melanoma of the Head and Neck: Preliminary Study .....	1366
Raske, M, Welling, JD, Gillum, T, Welling, DB: Long-Term Stapedectomy Results With the McGee Stapes Prosthesis .....	2060
Raut, V, Bhat, N, Kinsella, J, Toner, JG, Sinnathuray, AR, Stevenson, M: Bipolar Scissors Versus Cold Dissection Tonsillectomy: A Prospective Randomized Multi-Unit Study .....	2178
Real-Time Cine Magnetic Resonance Imaging for Evaluation of the Pediatric Airway—Faust, RA, Remley, KB, Rimell, FL .....	2187
Reconstruction of Pharyngeal Defects Using AlloDerm and Sternocleidomastoid Muscle Flap—Sinha, UK, Chang, KE, Shih, CW .....	1910
Recurrence and Its Avoidance in Juvenile Angiofibroma—Howard, DJ, Lloyd, G, Lund, V .....	1509
Recurrent Laryngeal Nerve Monitoring by Cricopharyngeus Contraction—Sasaki, CT, Mitra, S .....	738
Recurrent Respiratory Papillomatosis—Derkey, CS .....	57
Regulation of Mucociliary Motility by Nitric Oxide and Expression of Nitric Oxide Synthase in the Human Sinus Epithelial Cells—Kim, J-W, Min, Y-G, Rhee, C-S, et al .....	246
Reijonen, P, Leivo, I, Nevalainen, T, Rihkanen, H: Histology of Injected Autologous Fascia in the Paralyzed Canine Vocal Fold .....	1068
Relationship Between Dental Overbite and Eustachian Tube Dysfunction—McDonnell, JP, Needleman, HL, Charchut, S, et al .....	310
Relationship of Vestibular Aqueduct and Inner Ear Pressure in Ménière's Disease and the Normal Population—Sennaroglu, L, Yilmazer, C, Basaran, F, et al .....	1625
Relief of Post-Tonsillectomy Pain by Release of Lidocaine From Fibrin Glue—Kitajiri, S-i, Tabuchi, K, Hiraumi, H, et al .....	642
Remote Delivery of rAAV-GFP to the Rat Brainstem Through the Recurrent Laryngeal Nerve—Rubin, AD, Hogikyan, ND, Sullivan, K, et al .....	2041
Resorbable Fixation in Facial Plastic and Head and Neck Reconstructive Surgery: An Initial Report on Polylactic Acid Implants—Moe, KS, Weisman, RA .....	1697
Results of the Bone-Anchored Hearing Aid in Unilateral Hearing Loss—Wazen, JJ, Spitzer, J, Ghossaini, SN, et al .....	955
Rhee, C-S, Kim, D-Y, Won, T-B, Lee, H-J, Park, S-W, Kwon, T-Y, Lee, CH, Min, Y-G: Changes of Nasal Function After Temperature-Controlled Radiofrequency Tissue Volume Reduction for the Turbinate .....	153
Rhee, JS, Toohill, RJ: Single-Stage Adult Laryngotracheal Reconstruction Without Stenting .....	765
Rhino-Frontal Sinuseptotomy (RFS): A Combined Intra-Extra Nasal Approach for the Surgical Treatment of Severely Diseased Frontal Sinuses—Stennert, E .....	1237
Richter, B, Aschendorff, A, Lohnstein, P, Husstedt, H, Nagursky, H, Laszig, R: The Nucleus Contour Electrode Array: A Radiological and Histological Study .....	508
Richter, B, Jaekel, K, Aschendorff, A, Marangos, N, Laszig, R: Cochlear Structures After Implantation of a Perimodiolar Electrode Array .....	837
Richtsmeier, WJ: Top 10 Reasons for Endoscopic Maxillary Sinus Surgery Failure .....	1952
Road to Danger: The Comparative Risks of Driving While Sleepy—Powell, NB, Schechtman, KB, Riley, RW, et al .....	887
Robertson, ML, Gleich, LL, Barrett, WL, Gluckman, JL: Base-of-Tongue Cancer: Survival, Function, and Quality of Life After External-Beam Irradiation and Brachytherapy .....	1362
Roblin, G, Williams, AR, Whittet, H: Target-Controlled Infusion in Sleep Endoscopy .....	175
Rodrigo, JP, Suarez, C, Gonzales, MV, Lazo, PS, Ramos, S, Coto, E, Alvarez, I, Garcia, LA, Martinez, JA: Variability of Genetic Alterations in Different Sites of Head and Neck Cancer .....	1297
Roedel, RMW, Laskawi, R, Markus, H: Cortical Representation of the Orbicularis Oculi Muscle as Assessed by Transcranial Magnetic Stimulation (TMS) .....	2005
Roland, PS, Shoup, AG, Shea, MC, Richey, HS, Jones, DB: Verification of Improved Patient Outcomes With a Partially Implantable Hearing Aid, The SOUNDTEC Direct Hearing System .....	1682
Roland, PS, Tobey, EA, Devous, MD, Sr: Preoperative Functional Assessment of Auditory Cortex in Adult Cochlear Implant Users .....	77
Role of Clonazepam in the Treatment of Idiopathic Downbeat Nystagmus—Young, Y-H, Huang, T-W .....	1490
Role of Topical Antibiotic Prophylaxis in Patients Undergoing Contaminated Head and Neck Surgery With Flap Reconstruction—Simons, JP, Johnson, JT, Yu, VL, et al .....	329
Rubin, AD, Hogikyan, ND, Sullivan, K, Boulis, N, Feldman, EL: Remote Delivery of rAAV-GFP to the Rat Brainstem Through the Recurrent Laryngeal Nerve .....	2041
Rubinstein, B, Strong, EB: Management of Cranial Defects After Frontal Osteoplastic Flap .....	541

Ruckenstein, MJ: Candidate's Thesis: Therapeutic Efficacy of the Epley Canalith Repositioning Maneuver .....	940
Ryan, AF, Bennett, T: Nitric Oxide Contributes to Control of Effusion in Experimental Otitis Media .....	301

## S

Saadat, D, Ng, M, Vadapalli, S, Sinha, UK: Office Myringoplasty With Alloderm .....	181
Saddle Blanket Graft Tympanoplasty and Lateral Attic Wall Reconstruction for Defects Produced by Primary Acquired Cholesteatoma—Luetje, CM .....	1497
Safety and Patient Experience With Transtympanic Electrocochleography—Ng, M, Srireddy, S, Horlbeck, DM, et al .....	792
Saito, T, Manabe, Y, Shibamori, Y, Yamagishi, T, Igawa, H, Tokuriki, M, Fukuoka, Y, Noda, I, Ohtsubo, T, Saito, H: Long-Term Follow-up Results of Electrogustometry and Subjective Taste Disorder After Middle Ear Surgery .....	2064
Sama, A, Carding, PN, Price, S, Kelly, P, Wilson, JA: The Clinical Features of Functional Dysphonia .....	458
Sano, H, Mukai, J, Monoo, K, Close, LG, Sato, T-A: Expression of p75NTR and Its Associated Protein NADE in the Rat Cochlea .....	535
Sasaki, CT, Mitra, S: Recurrent Laryngeal Nerve Monitoring by Cricopharyngeus Contraction .....	738
Sato, K, Umeno, H, Nakashima, T: Laser Arytenoidectomy for Bilateral Median Vocal Fold Fixation .....	168
Schlosser, RJ, London, SD, Gwaltney, JM, Jr, Gross, CW: Microbiology of Chronic Frontal Sinusitis .....	1330
Scholtz, AW, Appenroth, E, Kammen-Jolly, K, Scholtz, LU, Thumfart, WF: Juvenile Nasopharyngeal Angiofibroma: Management and Therapy .....	681
Schousboe, LP, Ovesen, T, Eckhardt, L, Rasmussen, LM, Pedersen, CB: How Does Endotoxin Trigger Inflammation in Otitis Media With Effusion? .....	297
Schramm, VL, Jr, Imola, MJ: Management of Nasopharyngeal Salivary Gland Malignancy .....	1533
Schulte, DL, Sherris, DA, Kasperbauer, JL: The Anatomical Basis of the Abbe Flap .....	382
Schweitzer, VG: Photofrin-Mediated Photodynamic Therapy for Treatment of Aggressive Head and Neck Nonmelanomatous Skin Tumors in Elderly Patients .....	1091
Sclerotherapy With Picibanil (OK-432) for Congenital Lymphatic Malformation in the Head and Neck—Sung, M-W, Lee, D-W, Kim, D-Y, et al .....	1430
Second Malignant Neoplasms in Patients Under 40 Years of Age with Laryngeal Cancer—Albright, JT, Karpati, R, Topham, AK, et al .....	563
Seiden, AM, Duncan, HJ: The Diagnosis of a Conductive Olfactory Loss .....	9
Seikaly, H, Jha, N, McGaw, T, Coulter, L, Liu, R, Oldring, D: Submandibular Gland Transfer: A New Method of Preventing Radiation-Induced Xerostomia .....	347
Selective Vestibular Ablation by KTP Laser in Endolymphatic Hydrops—Adamczyk, M, Antonelli, PJ .....	1057
Sellar Reconstruction After Endoscopic Transnasal Hypophysectomy—Nakagawa, T, Asada, M, Takashima, T, et al .....	2077
Senior, BA, Khan, M, Schwimmer, C, Rosenthal, L, Benninger, M: Gastroesophageal Reflux and Obstructive Sleep Apnea .....	2144
Sennaroglu, L, Yilmazer, C, Basaran, F, Sennaroglu, G, Gursel, B: Relationship of Vestibular Aqueduct and Inner Ear Pressure in Ménière's Disease and the Normal Population .....	1625
Shah, RK, Valez, TA, Wang, Z, Shapshay, SM: Pulsed-Dye Laser and Retinoic Acid Delay Progression of Oral Squamous Cell Carcinoma: A Murine Model .....	1203
Shalloo, JK, Peterson, A, Facer, GW, Fabry, LB, Driscoll, CLW: Cochlear Implants in Five Cases of Auditory Neuropathy: Postoperative Findings and Progress .....	555
Shapiro, NL, Strocker, AM: Adenotonsillar Hypertrophy and Epstein-Barr Virus in Pediatric Organ Transplant Recipients .....	997
Sheikholeslam-Zadeh, R, Decaestecker, C, Delbrouck, C, Danguy, A, Salmon, I, Zick, Y, Kaltner, H, Hassid, S, Gabius, H-J, Kiss, R, Choufani, G: The Levels of Expression of Galectin-3, But Not of Galectin-1 and Galectin-8, Correlate With Apoptosis in Human Cholesteatomas .....	1042
Shinogi, J, Harada, T, Nonoyama, T, Kishioka, C, Sakakura, Y, Majima, Y: Quantitative Analysis of Mucin and Lectin in Maxillary Sinus Fluids in Patients With Acute and Chronic Sinusitis .....	240
Shiotani, A, Nakagawa, H, Flint, PW: Modulation of Myosin Heavy Chains in Rat Laryngeal Muscle .....	472
Shnyder, Y, Kurikake, A, Yee, H, Chen, F-A, DeLacure, MD, Xue, XN, Jagirdar, J: Adhesion Molecules as Prognostic Factors in	



Nasopharyngeal Carcinoma .....	1842
Shu, M-T: Extirpation of Ruptured Preauricular Fistula .....	924
Sidman, JD, Sampson, D, Templeton, B: Candidate's Thesis: Distraction Osteogenesis of the Mandible for Airway Obstruction in Children .....	1137
Sidman, JD, Wheeler, WB, Cabalka, AK, Soumekh, B, Brown, CA, Wright, GB: Management of Acute Pulmonary Hemorrhage in Children .....	33
Siebert, R, Weerda, H: Two-Step External Ear Canal Construction in Atresia as Part of Auricular Reconstruction .....	708
Significance of Computed Tomography Pathology in Chronic Rhinosinusitis—Arango, P, Kountakis, SE .....	1779
Significance of Retropharyngeal Node Dissection at Radical Surgery for Carcinoma of the Hypopharynx and Cervical Esophagus—Amatsu, M, Mohri, M, Kinishi, M .....	1099
Silent Sinus Syndrome: A Case Series and Literature Review—Vander Meer, JB, Harris, G, Toohill, RJ, et al .....	975
Silverstein, H, Jackson, LE, Rosenberg, SI, Conlon, WS: Pediatric Laser-Assisted Tympanostomy .....	905
Simon, JH, Zhen, W, McCulloch, TM, Hoffman, HT, Paulino, AC, Mayr, NA, Buatti, JM: Esthesioneuroblastoma: The University of Iowa Experience 1978–1998 .....	488
Simons, JP, Johnson, JT, Yu, VL, Vickers, RM, Gooding, WE, Myers, EN, Pou, AM, Wagner, RL, Grandis, JR: The Role of Topical Antibiotic Prophylaxis in Patients Undergoing Contaminated Head and Neck Surgery With Flap Reconstruction .....	329
Simple Method to Estimate the Secretion of Salivary From Minor Salivary Glands Using Iodine-Starch Reaction—Inamura, T, Ino, C, Kato, M, et al .....	272
Simplified Method of Micro-injecting Vasoconstricting Solution Into the Vocal Cord—Bentsianov, BL .....	1111
Simultaneous Modified Evans Blue Dye Procedure and Video Nasal Endoscopic Evaluation of the Swallow—Donzelli, J, Brady, S, Wesling, M, et al .....	1746
Singh, B, Gogineni, S, Goberdhan, A, Sacks, P, Shaha, A, Shah, J, Rao, P: Spectral Karyotyping Analysis of Head and Neck Squamous Cell Carcinoma .....	1545
Single-Stage Adult Laryngotracheal Reconstruction Without Stenting—Rhee, JS, Toohill, RJ .....	765
Sinha, UK, Chang, KE, Shih, CW: Reconstruction of Pharyngeal Defects Using AlloDerm and Sternocleidomastoid Muscle Flap .....	1910
Sinusitis Complicated by Meningitis: Current Management—Younis, RT, Anand, VK, Childress, C .....	1338
Sleep-Disordered Breathing: Radiofrequency Thermal Ablation Is a Promising New Treatment Possibility—Bäck, L, Palomäki, M, Piilonen, A, et al .....	464
Smith, TL, Smith, JM: Candidate's Thesis: Electrosurgery in Otolaryngology—Head and Neck Surgery: Principles, Advances, and Complications .....	769
Smoking and Tympanoplasty: Implications for Prognosis and the Middle Ear Risk Index (MERI)—Becvarovski, Z, Kartush, JM .....	1806
Snowden, RT, Thompson, J, Horwitz, E, Stocks, RM: The Predictive Value of Serum Interleukins in Recurrent Respiratory Papillomatosis: A Preliminary Study .....	404
Snyder, MC, Johnson, PJ, Moore, GF, Ogren, FP: Early Versus Late Gold Weight Implantation for Rehabilitation of the Paralyzed Eyelid .....	2109
Son, Y-I, Mailliard, RB, Watkins, SC, Lotze, MT: Dendritic Cells Pulsed With Apoptotic Squamous Cell Carcinoma Have Anti-Tumor Effects When Combined With Interleukin-2 .....	1472
Sound-Evoked Myogenic Potentials and Responses With 3-ms Latency in Auditory Brainstem Response—Ochi, K, Ohashi, T .....	1818
Specificity of Parotid Sialendoscopy—Barki, G, Disant, F, Lehmann, W .....	264
Spector, JG, Sessions, DG, Haughey, BH, Chao, KSC, Simpson, J, Mofty, SE, Perez, CA: Delayed Regional Metastases, Distant Metastases, and Second Primary Malignancies in Squamous Cell Carcinomas of the Larynx and Hypopharynx .....	1079
Spectral Karyotyping Analysis of Head and Neck Squamous Cell Carcinoma—Singh, B, Gogineni, S, Goberdhan, A, et al .....	1545
Spontaneous Otoacoustic Emissions in Humans With Endolymphatic Hydrops—Haginomori, S-I, Makimoto, K, Tanaka, H, et al .....	96
Spriano, G, Piantanida, R, Pellini, R: Hypopharyngeal Reconstruction Using Pectoralis Major Myocutaneous Flap and Pre-Vertebral Fascia .....	544
State of the Art Review: Complementary and Alternative Medicine in Otolaryngology—Asher, BF, Seidman, M, Snyderman, C .....	1383
State of the Art Review: Olfaction and Its Alteration by Nasal Obstruction, Rhinitis, and Rhinosinusitis—Doty, RL, Mishra, A .....	409
Stennert, E, Guntinas-Lichius, O, Klusmann, JP, Arnold, G: Histopathology of Pleomorphic Adenoma in the Parotid Gland: A Prospective Unselected Series of 100 Cases .....	2195
Stennert, E: Rhino-Frontal Sinuseptotomy (RFS): A Combined	

Intra-Extra Nasal Approach for the Surgical Treatment of Severely Diseased Frontal Sinuses .....	1237
Stepwise Surgical Technique Using the Medial Orbital Floor as the Key Landmark in Performing Endoscopic Sinus Surgery—Casiano, RR .....	964
Sternocleidomastoid Flap—Its Indications and Limitations—Kierner, AC, Zelenka, I, Gstoettner, W .....	2201
Steroid-Dependent Anosmia—Stevens, MH .....	200
Stevens, MH: Steroid-Dependent Anosmia .....	200
Steward, DL, Welge, JA, Myer, CM: Do Steroids Reduce Morbidity of Tonsillectomy? Meta-Analysis of Randomized Trials .....	1712
Stewart, MG: Outcomes and Patient-Based Hearing Status in Conductive Hearing Loss ... Supplement No. 98	
Stidham, KR, Roberson, JB: Implementation of a Clinical Pathway in Management of the Postoperative Vestibular Schwannoma Patient .....	1938
Stroman, DW, Roland, PS, Dohar, J, Burt, W: Microbiology of Normal External Auditory Canal .....	2054
Study of Laryngeal Muscle Activity in Normal Human Subjects and in Patients With Laryngeal Dystonia Using Multiple Fine-Wire Electromyography—Hillel, AD ... Supplement No. 97	
Su, C-Y, Lui, C-C: Unilateral Palate Paralysis in Patients With Nasopharyngeal Carcinoma: Imaging and Clinical Correlations .....	645
Submandibular Gland Transfer: A New Method of Preventing Radiation-Induced Xerostomia—Seikaly, H, Jha, N, McGaw, T, et al .....	347
Suenaga, S, Kodama, S, Ueyama, S, Suzuki, M, Mogi, G: Mucosal Immunity of the Middle Ear: Analysis at the Single Cell Level .....	290
Sullivan, DP, Scharf, SC, Komisar, A: Intraoperative Gamma Probe Localization of Parathyroid Adenomas .....	912
Sullivan, MD, Heywood, BM, Beukelman, DR: A Treatment for Vocal Cord Dysfunction in Female Athletes: An Outcome Study .....	1751
Sung, M-W, Lee, D-W, Kim, D-Y, Lee, S-J, Hwang, CH, Park, S-W, Kim, KH: Sclerotherapy With Picibanil (OK-432) for Congenital Lymphatic Malformation in the Head and Neck .....	1430
Surgical Anatomy of the Anterior Ethmoidal Canal in Ethmoid Roof—Moon, H-J, Kim, H-U, Lee, J-G, et al .....	900
Surgical Anatomy of the Nasofrontal Duct: Anatomical and Computed Tomographic Analysis—Kim, KS, Kim, HU, Chung, IH, et al .....	603
Surgical Anatomy of the Natural Ostium of the Sphenoid Sinus—Kim, H-U, Kim, S-S, Kang, SS, et al .....	1599
Surgical Management of Retropharyngeal Space Infections in Children—Kirse, DJ, Roberson, DW .....	1413
Surgical Treatment of Tracheostomal Stenosis—Giacomarra, V, Russolo, M, Tirelli, G, et al .....	1281
Symptoms, Laryngeal Findings, and 24-Hour pH Monitoring in Patients With Suspected Gastroesophago-Pharyngeal Reflux—Ylitalo, R, Lindstad, P-A, Ramel, S .....	1735

## T

Takoudes, TG, Haddad, J, Jr: Free Radical Production by Antibiotic-Killed Bacteria in the Guinea Pig Middle Ear .....	283
Tamura, E, Kitahara, S, Kohno, N: Clinical Assessment of Intralaryngeal Ultrasonography .....	1767
Target-Controlled Infusion in Sleep Endoscopy—Roblin, G, Williams, AR, Whittet, H .....	175
Teaching Case: A Large Arteriovenous Malformation of the External Ear in an Adult: Report of a Case and Approach to Management—Pham, TH, Wong, BJF, Allison, G .....	1390
Teaching Case: Labyrinthine Fistula: An Unreported Complication of the Grote Prosthesis—Gadre, AK, Hammerschlag, PE .....	796
Teaching Case: Pott's Puffy Tumor and Epidural Abscess Arising From Dental Sepsis: A Case Report—Chandy, B, Todd, J, Stucker, FJ, et al .....	1732
Technetium 99m Single Positron Emission Computed Tomography Scanning for Assessing Mandible Invasion in Oral Cavity Center—Imola, MJ, Gapany, M, Grund, F, et al .....	373
Teknos, TN, Myers, LL, Bradford, CR, Chepeha, DB: Free Tissue Reconstruction of the Hypopharynx After Organ Preservation Therapy: Analysis of Wound Complications .....	1192
Temporalis Muscle Flap for Reconstruction After Head and Neck Oncologic Surgery—Hanasono, MM, Utley, DS, Goode, RL .....	1719
Testa, B, Mesolella, C, Mosti, MR, Mesolella, M, Testa, D, Motta, G: Changes in Serum Interferon- $\gamma$ , Interferon-4, and Interferon-12 Cytokine Levels in Anti-Histamine Type 2-Treated Allergic Rhinitis Patients .....	236
Testa, B, Testa, D, Mesolella, M, D'Errico, G, Tricarico, D, Motta, G: Management of Chronic Otitis Media With Effusion: The Role of Glutathione .....	1486
Tetracaine Topical Anesthesia for Myringotomy—Hoffman, RA, Li, C-LJ .....	1636
Thaler, ER, Weber, RS, Goldberg, AN, Weinstein, GS: Feasibility and	



Outcome of Endoscopic Staple-Assisted Esophagodiverticulostomy for Zenker's Diverticulum	1506
Thomé, R, Thomé, DC, Behlau, M: The Use of Buccal Mucosa Graft at Posterior Cricoid Splitting for Subglottic Stenosis Repair	2191
Thorp, MA, Oyarzabal-Amigo, MF, du Plessis, JH, Sellars, SL: Inverted Papilloma: A Review of 53 Cases	1401
Three-Dimensional Alloplastic Orbital Reconstruction in Skull Base Surgery—Ducic, Y	1306
Three-Dimensional Image for the Middle Fossa Approach and Its Anatomical Considerations—Tsunoda, A, Komatsuzaki, A, Kobayashi, M, et al	1048
Thyroarytenoid Muscle Maintains Normal Contractile Force in Chronic Vocal Fold Immobility—Johns, MM, Urbanek, M, Chepeha, DB, et al	2152
Thyroplasty for Adductor Spasmodic Dysphonia: Further Experiences—Isshiki, N, Haji, T, Yamamoto, Y, et al	615
Timing of Endoscopic Sinus Surgery in Children: Is There an Impact on Outcome?—Ramadan, HH	1709
Tirelli, G, D'Orlando, E, Giacomarra, V, Russolo, M: Benign Positional Vertigo Without Detectable Nystagmus	1053
Tomasi, J-P, Lona, A, Deggouj, N, Gersdorff, M: Autoimmune Sensorineural Hearing Loss in Young Patients: An Exploratory Study	2050
Tonsillectomy With Argon Plasma Coagulation (APC): Evaluation of Pain and Hemorrhage—Bergler, W, Huber, K, Hammerschmitt, N, et al	1423
Top 10 Reasons for Endoscopic Maxillary Sinus Surgery Failure—Richtsmeier, WJ	1952
Tracheal Transplantation: Cytological Changes Studied by Scanning and Transmission Electron Microscopy in the Rabbit—Zagalo, C, Grande, NR, dos Santos, JM, et al	657
Treatment for Vocal Cord Dysfunction in Female Athletes: An Outcome Study—Sullivan, MD, Heywood, BM, Beukelman, DR	1751
Tritle, NM, Haller, JR, Gray, SD: Aesthetic Comparison of Wound Closure Techniques in a Porcine Model	1949
Tsunoda, A, Komatsuzaki, A, Kobayashi, M, Suzuki, Y: Three-Dimensional Image for the Middle Fossa Approach and Its Anatomical Considerations	1048
Tsunoda, K, Baer, T, Niimi, S: Autologous Transplantation of Fascia Into the Vocal Fold: Long-Term Results of a New Phonosurgical Technique for Glottal Incompetence	453
Tumor Deposition of Laminin-5 and the Relationship With Perineural Invasion—Anderson, TD, Feldman, M, Weber, RS, et al	2140
Tutorials in Clinical Research: Part III. Selecting a Research Approach to Best Answer a Clinical Question—Neely, JG, Hartman, JM, Wallace, MS, et al	821
Two-Step External Ear Canal Construction in Atresia as Part of Auricular Reconstruction—Siebert, R, Weerda, H	708
Tympanic Membrane Grafting With AlloDerm—Benecke, JE, Jr	1525
Tympanic Membrane Repair With a Dermal Allograft—Laidlaw, DW, Costantino, PD, Govindaraj, S, et al	702

## U

Unilateral or Localized Reinke's Edema (Pseudocyst) as a Manifestation of Vocal Fold Paresis: The Paresis Podule—Koufman, JA, Belafsky, PC	576
Unilateral Palate Paralysis in Patients With Nasopharyngeal Carcinoma: Imaging and Clinical Correlations—Su, C-Y, Lui, C-C	645
Unique Case of Bezold's Abscess Associated With Multiple Dural Sinus Thromboses—Zapanta, PE, Chi, DH, Faust, RA	1944
Unver, S, Kubilay, U, Sezen, OS, Coskuner, T: Investigation of <i>Helicobacter pylori</i> Colonization in Adenotonsillectomy Specimens By Means of the CLO Test	2183
Upper Airway Edema Resulting From Use of <i>Eccallium elaterrum</i> —Kloutsos, G, Balatsouras, DG, Kaberos, AC, et al	1652
Urquhart, A, Berg, R: Hodgkin's and Non-Hodgkin's Lymphoma of the Head and Neck	1565
Urquhart, A, Hutchins, LG, Berg, RL: Preoperative Computed Tomography Scans for Parotid Tumor Evaluation	1984
Use of Acellular Dermis in the Prevention of Frey's Syndrome—Govindaraj, S, Cohen, M, Genden, EM, et al	1993
Use of Buccal Mucosa Graft at Posterior Cricoid Splitting for Subglottic Stenosis Repair—Thomé, R, Thomé, DC, Behlau, M	2191
Use of Dexamethasone on the Prophylaxis of Nausea and Vomiting After Tympanomastoid Surgery—Liu, Y-H, Li, M-J, Wang, P-C, et al	1271
Use of Helium-Oxygen Mixtures to Relieve Upper Airway Obstruction in a Pediatric Population—Grosz, AH, Jacobs, IN, Cho, C, et al	1512
Use of Low-Dose Technetium Tc 99m Sulfur Colloid to Locate Sentinel Lymph Nodes in Melanoma of the Head and Neck: Preliminary	

Study—Rasgon, BM	1366
Use of Palatal Island Flaps as an Adjunct to Microvascular Free Tissue Transfer for Reconstruction of Complex Oromandibular Defects—Ducic, Y, Herford, AS	1666
Use of Reconstructed Sagittal Computed Tomography Images to Plan Middle Cranial Fossa Surgery—Olson, KL, Manolidis, S, Hayman, LA, et al	2095
Use of the Round Window Microcatheter in the Treatment of Meniere's Disease—Hoffer, ME, Kopke, RD, Weisskopf, P, et al	2046
Uvulopalatopharyngoplasty, Maxillomandibular Advancement, and the Velopharynx—Li, KK, Troell, RJ, Riley, RW, et al	1075

## V

Validation of a Patient-Graded Instrument for Facial Nerve Paralysis: The FaCE Scale—Kahn, JB, Gliklich, RE, Boyev, P, et al	387
Validity and Reliability of the Reflux Finding Score (RFS)—Belafsky, PC, Postma, GN, Koufman, JA	1313
Value of Fine-Needle Aspiration Cytology of Parotid Gland Masses—Zbären, P, Schär, C, Hotz, et al	1989
van der Torn, M, de Vries, MP, Festen, JM, Verdonck-de Leeuw, IM, Mahieu, HF: Alternative Voice After Laryngectomy Using a Sound-Producing Voice Prosthesis	336
Vander Meer, JB, Harris, G, Toohill, RJ, Smith, TL: The Silent Sinus Syndrome: A Case Series and Literature Review	975
Variability of Genetic Alterations in Different Sites of Head and Neck Cancer—Rodrigo, JP, Suarez, C, Gonzalez, MV, et al	1297
Variance of Vestibular-Evoked Myogenic Potentials—Ochi, K, Ohashi, T, Nishino, H	522
Vascular Endothelial Growth Factor Receptor 2 (VEGFR2) Expression in Squamous Cell Carcinomas of the Head and Neck—Neuchrist, C, Erovic, BM, Handisury, A, et al	1834
Ventilation Silicone T-Shaped Tube Insertion—Lin, C-D, Tan, C-T, Cheng, Y-K	361
Verification of Improved Patient Outcomes With a Partially Implantable Hearing Aid, The SOUNDTEC Direct Hearing System—Roland, PS, Shoup, AG, Shea, MC, et al	1682
Vestibular End-Organ Impairment in an Animal Model of Type 2 Diabetes Mellitus—Perez, R, Ziv, E, Freeman, S, et al	110
Virtual Endoscopic Evaluation of Labyrinthine Fistulae Resulting From Cholesteatoma—Briggs, RD, Vrabec, JT, Cavey, ML, et al	1828
Vocal Function Following Radiation for Non-Laryngeal Versus Laryngeal Tumors of the Head and Neck—Fung, K, Yoo, J, Leeper, HA, et al	1920

## W

Walker, P: Pediatric Adenoidectomy Under Vision Using Suction-Diathermy Ablation	2173
Walker, RP, Durazo-Arvizu, R, Wachter, B, Gopalsami, C: Preoperative Differences Between Male and Female Patients With Sleep Apnea	1501
Walner, DL, Loewen, MS, Kimura, RE: Neonatal Subglottic Stenosis—Incidence and Trends	48
Wang, MB, Yip, HT, Srivatsan, ES: Candidate's Thesis: Antisense Cyclic D1 Enhances Sensitivity to Head and Neck Cancer Cells to Cisplatin	982
Wani, MK, Yarber, RH, Ahmed, A, Hengsteg, A, Robbins, KT: Cancer Induction in the DMBA Hamster Cheek Pouch: A Modified Technique Using a Promoter	204
Watanabe, A, Kawabori, S, Osanai, H, Taniguchi, M, Hosokawa, M: Preoperative Computed Tomography Diagnosis of Non-Recurrent Inferior Laryngeal Nerve	1756
Water-Jet Dissection in Parotid Surgery: An Experimental Study in Dogs—Magritz, R, Jurk, V, Reusche, E, et al	1579
Wax, MK, Winslow, C, Desyatnikova, S, Andersen, PE, Cohen, JI: A Prospective Comparison of Scalpel Versus Bipolar Scissors in the Elevation of Radial Forearm Fasciocutaneous Free Flaps	568
Wazen, JJ, Spitzer, J, Ghossaini, SN, Kacker, A, Zschommler, A: Results of the Bone-Anchored Hearing Aid in Unilateral Hearing Loss	955
Weber, PC, Cunningham, CD, III, Schulte, BA: Candidate's Thesis: Potassium Recycling Pathways in the Human Cochlea	1156
Weber, R, Draf, W, Kratzsch, B, Hosemann, W, Schaefer, SD: Modern Concepts of Frontal Sinus Surgery	137
Wei, JL, Schwartz, KM, Weaver, AL, Orvidas, LJ: Pseudotumor of Infancy and Congenital Muscular Torticollis: 170 Cases	688
Weinstein, GS, El-Sawy, MM, Ruiz, C, Dooley, P, Chalian, A, El-Sayed, MM, Goldberg, A: Candidate's Thesis: Laryngeal Preservation With Supracricoid Partial Laryngectomy Results in Improved Quality of Life When Compared With Total Laryngectomy	191

West, B, Jones, NS: Endoscopy-Negative, Computed Tomography-Negative Facial Pain in a Nasal Clinic .....	581
Western Blot Analysis for Diagnosis of Lyme Disease in Acute Facial Palsy—Furuta, Y, Kawabata, H, Ohtani, F, et al .....	719
Wielinga, EWJ, Peters, TA, Tonnaer, ELGM, Kuijpers, W, Curfs, JHAJ: Middle Ear Effusions and Structure of the Tympanic Membrane ..	90
Wolf, M, Shapira, Y, Talmi, YP, Novikov, I, Kronenberg, J, Yellin, A: Laryngotracheal Anastomosis: Primary and Revised Procedures .....	622

## Y

Yi, SMP, Lee, JH, Graham, S, Zabner, J, Welsh, MJ: Adenovirus Calcium Phosphate Coprecipitates Enhance Squamous Cell Carcinoma Gene Transfer .....	1290
Yian, CH, Paniello, RC, Spector, JG: Inhibition of Motor Nerve Regeneration in a Rabbit Facial Nerve Model .....	786
Yimtae, K, Song, H, Billings, P, Harris, JP, Keithley, EM: Connection Between the Inner Ear and the Lymphatic System .....	1631
Ylitalo, R, Lindestad, P-A, Ramel, S: Symptoms, Laryngeal Findings, and 24-Hour pH Monitoring in Patients With Suspected Gastroesophago-Pharyngeal Reflux .....	1735
Young, Y-H, Huang, T-W: Role of Clonazepam in the Treatment of Idiopathic Downbeat Nystagmus .....	1490
Younis, RT, Anand, VK, Childress, C: Sinusitis Complicated by	

Meningitis: Current Management .....	1338
Younis, RT, Hesse, SV, Anand, VK: Evaluation of the Utility and Cost-Effectiveness of Obtaining Histopathologic Diagnosis on All Routine Tonsillectomy Specimens .....	2166

## Z

Zacharek, MA, Pasha, R, Meleca, RJ, Dworkin, JP, Stachler, RJ, Jacobs, JR, Marks, SC, Garfield, I: Functional Outcomes After Supracricoid Laryngectomy .....	1558
Zagalo, C, Grande, NR, dos Santos, JM, Monteiro, E, Brito, J, Aguas, AP: Tracheal Transplantation: Cytological Changes Studied by Scanning and Transmission Electron Microscopy in the Rabbit ..	657
Zaki, HS, Kharchaf, M, Carrau, RL: Prosthetic Management of Pharyngocutaneous Fistula by Means of a Salivary Conduit .....	548
Zaki, HS, Studer, SP, Kharchaf, M, Myers, EN: Prosthetic Obturation of Tracheoesophageal Fistula .....	359
Zapanta, PE, Chi, DH, Faust, RA: A Unique Case of Bezold's Abscess Associated With Multiple Dural Sinus Thromboses .....	1944
Zbären, P, Schär, C, Hotz, MA, Loosli, H: Value of Fine-Needle Aspiration Cytology of Parotid Gland Masses .....	1989
Zeitels, SM, Jarboe, J, Franco, RA: Phonosurgical Reconstruction of Early Glottic Cancer .....	1862
Zwirner, P, Wilichowski, E: Progressive Sensorineural Hearing Loss in Children With Mitochondrial Encephalomyopathies .....	515

# Subject Index

## A

- Abbé Flap**  
Anatomical Basis of the Abbé Flap—Schulte, DL, Sherris, DA, et al ..... 382
- Ablation, Radiofrequency Thermal**  
Sleep-Disordered Breathing: Radiofrequency Thermal Ablation Is a Promising New Treatment Possibility—Bäck, L, Palomäki, M, et al ..... 464
- Ablation, Suction-Diathermy**  
Pediatric Adenoidectomy Under Vision Using Suction-Diathermy Ablation—Walker, P ..... 2173
- Abnormal Expression of Fragile Histidine Triad Gene**  
Mutation and Abnormal Expression of the Fragile Histidine Triad Gene in Nasopharyngeal Carcinoma—Deng, Y-F, Tian, F, et al .. 1589
- Abscess, Bezold's**  
Unique Case of Bezold's Abscess Associated With Multiple Dural Sinus Thromboses—Zapanta, PE, Chi, DH, et al ..... 1944
- Abscess, Epidural**  
Teaching Case: Pott's Puffy Tumor and Epidural Abscess Arising From Dental Sepsis: A Case Report—Chandy, B, Todd, J, et al .. 1732
- Acellular Dermis**  
Use of Acellular Dermis in the Prevention of Frey's Syndrome—Govindaraj, S, Cohen, M, et al ..... 1993
- Acoustic Rhinometry**  
Accuracy of Acoustic Rhinometry Measurements—Cakmak, O, Celik, H, et al ..... 587
- Acquired Cholesteatoma**  
Molecular Biological Diagnosis of Congenital and Acquired Cholesteatoma on the Basis of Differences in Telomere Length—Kojima, H, Miyazaki, H, et al ..... 867
- Acute Facial Palsy**  
Western Blot Analysis for Diagnosis of Lyme Disease in Acute Facial Palsy—Furuta, Y, Kawabata, H, et al ..... 719
- Acute Laryngotracheitis**  
Acute Laryngotracheitis in the Rat Induced by Sendai Virus: The Influx of Six Different Types of Immunocompetent Cells Into the Laryngeal Mucosa Differs Strongly Between the Subglottic and the Glottic Compartment—Jecker, P, McWilliam, A, et al .. 1645
- Acute Pulmonary Hemorrhage**  
Management of Acute Pulmonary Hemorrhage in Children—Sidman, JD, Wheeler, WB, et al ..... 33
- Acute Sinusitis**  
Quantitative Analysis of Mucin and Lectin in Maxillary Sinus Fluids in Patients With Acute and Chronic Sinusitis—Shinogi, J, Harada, T, et al ..... 240
- Acute Vocal Fold Immobility**  
Immediate Percutaneous Medialization for Acute Vocal Fold Immobility With Aspiration—Anderson, TD, Mirza, N ..... 1318
- Adduction, Arytenoid**  
Complications of Type I Thyroplasty and Arytenoid Adduction—Abraham, MT, Gonen, M, et al ..... 1322
- Adductor Spasmodic Dysphonia**  
Thyroplasty for Adductor Spasmodic Dysphonia: Further Experiences—Isshiki, N, Haji, T, et al ..... 615
- Adenitis, Nontuberculous Mycobacterial**  
Nontuberculous Mycobacterial Adenitis of the Head and Neck in Children: Experience From a Tertiary Care Pediatric Center—Rahal, A, Abela, A, et al ..... 1791
- Adenoid Cystic Carcinoma**  
Molecular Differences in Mucoepidermoid Carcinoma and Adenoid Cystic Carcinoma of the Major Salivary Glands—Gibbons, MD, Manne, U, et al ..... 1373
- Adenoidectomy**  
Effectiveness of Adenoidectomy and Laser Tympanic Membrane Fenestration—Cook, SP, Brodsky, L, et al ..... 251  
Incidence of Reflux in Young Children Undergoing Adenoidectomy—Carr, MM, Poje, CP, et al ..... 2170  
Pediatric Adenoidectomy Under Vision Using Suction-Diathermy Ablation—Walker, P ..... 2173
- Adenoma, Parathyroid**  
Intraoperative Gamma Probe Localization of Parathyroid Adenomas—Sullivan, DP, Scharf, SC, et al ..... 912
- Adenoma, Pleomorphic**  
Histopathology of Pleomorphic Adenoma in the Parotid Gland: A Prospective Unselected Series of 100 Cases—Stennert, E, Guntinas-Lichius, O, et al ..... 2195
- Adenotonsillar Hypertrophy**  
Adenotonsillar Hypertrophy and Epstein-Barr Virus in Pediatric Organ Transplant Recipients—Shapiro, NL, Strocker, AM .. 997
- Adenotonsillectomy**  
Improved Postoperative Pain Control in Pediatric Adenotonsillectomy With Dextromethorphan—Dawson, GS, Seidman, P, et al ..... 1223  
Investigation of *Helicobacter pylori* Colonization in Adenotonsillectomy Specimens By Means of the CLO Test—Unver, S, Kubilay, U, et al ..... 2183
- Adenovirus Calcium Phosphate Coprecipitates**  
Adenovirus Calcium Phosphate Coprecipitates Enhance Squamous Cell Carcinoma Gene Transfer—Yi, SMP, Lee, JH, et al .... 1290
- Adenovirus-Mediated Wild-Type p53 Gene Transfer**  
All-trans-retinoic Acid Enhances the Effect of Adenovirus-Mediated Wild-Type p53 Gene Transfer in Head and Neck Squamous Cell Carcinoma—Nakashima, T, Sun, S-Y, et al ..... 1459
- Adhesion Molecules**  
Adhesion Molecules as Prognostic Factors in Nasopharyngeal Carcinomas—Shnayder, Y, Kuriakose, MA, et al ..... 1842
- Adult Cochlear Implant Users**  
Preoperative Functional Assessment of Auditory Cortex in Adult Cochlear Implant Users—Roland, PS, Tobey, EA, et al ..... 77
- Advanced Laryngeal and Hypopharyngeal Cancer**  
Quality of Life After Treatment for Advanced Laryngeal and Hypopharyngeal Cancer—Major, MS, Bumpous, JM, et al .. 1379
- Age**  
Expression of Apoptosis-Related Proteins in the Aged Cochlea of Mongolian Gerbils—Alam, SA, Oshima, T, et al ..... 528  
Frequency and Localization of the Putative Vomeronasal Organ in Humans in Relation to Age and Gender—Knecht, M, Kühnau, D, et al ..... 448  
A Morphological Study of Age Changes in Adult Human Auricular Cartilage With Special Emphasis on Elastic Fibers—Ito, I, Imada, M, et al ..... 881  
Photofrin-Mediated Photodynamic Therapy for Treatment of Aggressive Head and Neck Nonmelanomatous Skin Tumors in Elderly Patients—Schweitzer, VG ..... 1091  
Predicting Fall Risks in an Elderly Population: Computer Dynamic Posturography Versus Electronystagmography Test Results—Girardi, M, Konrad, HR, et al ..... 1528  
Second Malignant Neoplasms in Patients Under 40 Years of Age with Laryngeal Cancer—Albright, JT, Karpati, R, et al ..... 563
- Aggressive Head and Neck Nonmelanomatous Skin Tumors**  
Photofrin-Mediated Photodynamic Therapy for Treatment of Aggressive Head and Neck Nonmelanomatous Skin Tumors in Elderly Patients—Schweitzer, VG ..... 1091
- Airway**  
Real-Time Cine Magnetic Resonance Imaging for Evaluation of the Pediatric Airway—Faust, RA, Remley, KB, et al ..... 2187
- Airway Obstruction**  
Candidate's Thesis: Distraction Osteogenesis of the Mandible for Airway Obstruction in Children—Sidman, JD, Sampson, D, et al ..... 1137
- Airway Protection**  
Bolos Transit and Airway Protection Coordination in Older Dysphagic Patients—Kendall, KA, Leonard, RJ ..... 2017
- Airway Wound Healing**  
Investigation of Airway Wound Healing Using a Novel in vivo Model—Hardillo, J, Vanclooster, C, et al ..... 1174
- Allergic Fungal Rhinosinusitis**  
Clinical State of the Art Review: Allergic Fungal Rhinosinusitis: Current Theories and Management Strategies—Marple, BF ..... 1006
- Allergic Rhinitis**  
Changes in Serum Interferon- $\gamma$ , Interleukin-4, and Interleukin-12 Cytokine Levels in Anti-Histamine Type 2-Treated Allergic Rhinitis Patients—Testa, B, Meselella, C, et al ..... 236
- Allergy, Nasal**  
Argon Plasma Surgery for the Inferior Turbinate of Patients With Perennial Nasal Allergy—Fukazawa, K, Ogasawara, H, et al .... 147
- Alloantigen**  
Pretreatment With Portal Venous Ultraviolet B Irradiated Donor Alloantigen Promotes Donor-Specific Tolerance to Rat Nerve Allografts—Genden, EM, Mackinnon, SE, et al ..... 439
- AlloDerm**

Office Myringoplasty With Alloderm—Saadat, D, Ng, M, et al ...	181
Reconstruction of Pharyngeal Defects Using AlloDerm and Sternoideomastoid Muscle Flap—Sinha, UK, Chang, KE, et al .....	1910
Tympanic Membrane Grafting With AlloDerm—Benecke, JE, Jr .....	1525
<b>Allograft, Dermal</b>	
Tympanic Membrane Repair With a Dermal Allograft—Laidlaw, DW, Costantino, PD, et al .....	702
<b>Allograft, Rat Nerve</b>	
Pretreatment With Portal Venous Ultraviolet B Irradiated Donor Alloantigen Promotes Donor-Specific Tolerance to Rat Nerve Allografts—Genden, EM, Mackinnon, SE, et al .....	439
<b>Alloplastic Orbital Reconstruction</b>	
Three-Dimensional Alloplastic Orbital Reconstruction in Skull Base Surgery—Ducic, Y .....	1306
<b>All-trans-retinoic Acid</b>	
All-trans-retinoic Acid Enhances the Effect of Adenovirus-Mediated Wild-Type p53 Gene Transfer in Head and Neck Squamous Cell Carcinoma—Nakashima, T, Sun, S-Y, et al .....	1459
<b>Alternative Medicine</b>	
State of the Art Review: Complementary and Alternative Medicine in Otolaryngology—Asher, BF, Seidman, M, et al .....	1383
<b>Alternative Voice</b>	
Alternative Voice After Laryngectomy Using a Sound-Producing Voice Prosthesis—van der Torn, M, de Vries, MP, et al .....	336
<b>Ambulatory 24-Hour Double-Probe pH Monitoring</b>	
Ambulatory 24-Hour Double-Probe pH Monitoring: The Importance of Manometry—Johnson, PE, Koufman, JA, et al .....	1970
<b>Amiloride</b>	
Enhancement of Delta Aminolevulinic Acid-Photodynamic Therapy in vivo by Decreasing Tumor pH With Glucose and Amiloride—Piot, B, Rousset, N, et al .....	2205
<b>Aminoglycoside Ototoxicity</b>	
Aminoglycoside Ototoxicity: A Human Temporal Bone Study—Hinojosa, R, Nelson, EG, et al .....	1797
<b>Aminolevulinic Acid</b>	
Enhancement of Delta Aminolevulinic Acid-Photodynamic Therapy in vivo by Decreasing Tumor pH With Glucose and Amiloride—Piot, B, Rousset, N, et al .....	2205
<b>Anastomosis, Laryngotracheal</b>	
Laryngotracheal Anastomosis: Primary and Revised Procedures—Wolf, M, Shapira, Y, et al .....	622
<b>Anatomical Study, Computer-Assisted</b>	
Computer-Assisted Anatomical Study of the Nasofrontal Region—Landsberg, R, Friedman, M .....	2125
<b>Anemia</b>	
Effect of Anemia on the Fasciocutaneous Flap Survival in a Rat Model—Desyatnikova, S, Winslow, C, et al .....	572
<b>Anesthesia</b>	
Tetracaine Topical Anesthesia for Myringotomy—Hoffman, RA, Li, C-LJ .....	1636
<b>Aneuploidy, Chromosomal</b>	
Chromosomal Aneuploidy Precedes Morphological Changes and Supports Multifocality in Head and Neck Lesions—Ai, H, Barrera, JE, et al .....	1853
<b>Angioedema</b>	
Angioedema Associated With Angiotensin II Receptor Antagonists: Challenging Our Knowledge of Angioedema and Its Etiology—Chiu, AG, Krowiak, EJ, et al .....	1729
<b>Angiofibroma, Juvenile</b>	
Endoscopic and Endoscopic-Assisted Surgery for Juvenile Angiofibroma—Carrau, RL, Snyderman, CH, et al .....	483
Recurrence and Its Avoidance in Juvenile Angiofibroma—Howard, DJ, Lloyd, G, et al .....	1509
<b>Angiofibroma, Nasopharyngeal</b>	
Juvenile Nasopharyngeal Angiofibroma: Management and Therapy—Scholtz, AW, Appenroth, E, et al .....	681
<b>Angiosarcoma, Laryngeal</b>	
Laryngeal Angiosarcoma: A Clinicopathologic Study of Five Cases With a Review of the Literature—Loos, BM, Wieneke, JA, et al .....	1197
<b>Angiotensin II Receptor Antagonists</b>	
Angioedema Associated With Angiotensin II Receptor Antagonists: Challenging Our Knowledge of Angioedema and Its Etiology—Chiu, AG, Krowiak, EJ, et al .....	1729
<b>Anosmia, Steroid-Dependent</b>	
Steroid-Dependent Anosmia—Stevens, MH .....	200
<b>Anterior and Posterior Medialization (APM) Thyroplasty</b>	
Anterior and Posterior Medialization (APM) Thyroplasty—Hong, KH, Kim, JH, et al .....	1406
<b>Anterior Ethmoidal Canal</b>	
Surgical Anatomy of the Anterior Ethmoidal Canal in Ethmoid	
Roof—Moon, H-J, Kim, H-U, et al .....	900
<b>Antiangiogenesis</b>	
Dean Lierle Residents Award: The Role of Copper Suppression as an Antiangiogenic Strategy in Head and Neck Squamous Cell Carcinoma—Cox, C, Teknos, TN, et al .....	696
<b>Anti-Apoptotic Galectin-3</b>	
Detection of Macrophage Migration Inhibitory Factor (MIF) in Human Cholesteatomas and Functional Implications of Correlations to Recurrence Status and to Expression of Matrix Metalloproteinases-3/9, Retinoic Acid Receptor- $\beta$ , and Anti-Apoptotic Galectin-3—Choufani, G, Ghanoun, R, et al .....	1656
<b>Antibiotic Prophylaxis, Topical</b>	
Role of Topical Antibiotic Prophylaxis in Patients Undergoing Contaminated Head and Neck Surgery With Flap Reconstruction—Simons, JP, Johnson, JT, et al .....	329
<b>Antibiotic-Killed Bacteria</b>	
Free Radical Production by Antibiotic-Killed Bacteria in the Guinea Pig Middle Ear—Takoudes, TG, Haddad, J, Jr. ....	283
<b>Anti-Histamine Type 2</b>	
Changes in Serum Interferon- $\gamma$ , Interleukin-4, and Interleukin-12 Cytokine Levels in Anti-Histamine Type 2-Treated Allergic Rhinitis Patients—Testa, B, Meselella, C, et al .....	236
<b>Antisense Cyclic D1</b>	
Candidate's Thesis: Antisense Cyclic D1 Enhances Sensitivity to Head and Neck Cancer Cells to Cisplatin—Wang, MB, Yip, HT, et al .....	982
<b>Antral Portion of Antrochoanal Polyp</b>	
Endoscopic Removal of the Antral Portion of Antrochoanal Polyp by Powered Instrumentation—Hong, SK, Min, Y-G, et al .....	1774
<b>Antral Tap</b>	
Comparison of Antral Tap With Endoscopically Directed Nasal Culture—Casiano, RR, Cohn, S, et al .....	1333
<b>Antrochoanal Polyp</b>	
Endoscopic Removal of the Antral Portion of Antrochoanal Polyp by Powered Instrumentation—Hong, SK, Min, Y-G, et al .....	1774
<b>APC; see Argon Plasma Coagulation APM Thyroplasty; see Anterior and Posterior Medialization Thyroplasty Apnea, Sleep; see Sleep Apnea Apoptosis</b>	
Expression of Apoptosis-Related Proteins in the Aged Cochlea of Mongolian Gerbils—Alam, SA, Oshima, T, et al .....	528
Levels of Expression of Galectin-3, But Not of Galectin-1 and Galectin-8, Correlate With Apoptosis in Human Cholesteatomas—Sheikholeslam-Zadeh, R, Decaestecker, C, et al .....	1042
<b>Apoptotic Squamous Cell Carcinoma</b>	
Dendritic Cells Pulsed With Apoptotic Squamous Cell Carcinoma Have Anti-Tumor Effects When Combined With Interleukin-2—Son, Y-I, Mailliard, RB, et al .....	1472
<b>Aqueduct, Vestibular</b>	
Relationship of Vestibular Aqueduct and Inner Ear Pressure in Ménière's Disease and the Normal Population—Sennaroglu, L, Yilmazer, C, et al .....	16251
<b>Argon Plasma Coagulation (APC)</b>	
Long-Term Results of Inferior Turbinate Reduction With Argon Plasma Coagulation—Bergler, WF, Sadick, H, et al .....	1593
Tonsillectomy With Argon Plasma Coagulation (APC): Evaluation of Pain and Hemorrhage—Bergler, W, Huber, K, et al .....	1423
<b>Argon Plasma Surgery</b>	
Argon Plasma Surgery for the Inferior Turbinate of Patients With Perennial Nasal Allergy—Fukazawa, K, Ogawara, H, et al .....	147
<b>Arteriovenous Malformation of External Ear</b>	
Teaching Case: A Large Arteriovenous Malformation of the External Ear in an Adult: Report of a Case and Approach to Management—Pham, TH, Wong, BJF, et al .....	1390
<b>Arthropathy, Mandibular Joint</b>	
Mandibular and Temporomandibular Joint Arthropathy in the Differential Diagnosis of the Parotid Mass—Klenoff, JR, Lowlicht, RA, et al .....	2162
<b>Arytenoid</b>	
Arytenoid Appearance and Vertical Level Difference Between the Paralyzed and Innervated Vocal Cords—Hong, KH, Jung, KS .....	227
<b>Arytenoid Adduction</b>	
Complications of Type I Thyroplasty and Arytenoid Adduction—Abraham, MT, Gonen, M, et al .....	1322
<b>Arytenoid Fixation</b>	
Endoscopic Arytenoid Repositioning for Unilateral Arytenoid Fixation—Amin, MR, Koufman, JA .....	44
<b>Arytenoid Repositioning</b>	
Endoscopic Arytenoid Repositioning for Unilateral Arytenoid Fixation—Amin, MR, Koufman, JA .....	44
<b>Arytenoidectomy, Laser</b>	



Laser Arytenoidectomy for Bilateral Median Vocal Fold Fixation—Sato, K, Umeno, H, et al .....	168
<b>Aspiration</b>	
Dynamic Laryngotracheal Closure for Aspiration: A Preliminary Report—Broniatowski, M, Grundfest-Broniatowski, S, et al .....	2032
Immediate Percutaneous Medialization for Acute Vocal Fold Immobility With Aspiration—Anderson, TD, Mirza, N .....	1318
<b>Aspiration Biopsy, Fine-Needle; see Fine-Needle Aspiration Biopsy</b>	
<b>Aspiration Cytology, Fine-Needle</b>	
Value of Fine-Needle Aspiration Cytology of Parotid Gland Masses—Zbaren, P, Schär, C, et al .....	1989
<b>Asymmetry</b>	
Asymmetry of the Ethmoid Roof: Analysis Using Coronal Computed Tomography—Lebowitz, RA, Terk, A, et al .....	2122
<b>Asymptomatic Ears</b>	
Endolymphatic Hydrops in Asymptomatic Ears in Unilateral Ménière's Disease—Friedrichs, I, Thornton, ARD, et al .....	857
<b>Athletes, Female</b>	
Treatment for Vocal Cord Dysfunction in Female Athletes: An Outcome Study—Sullivan, MD, Heywood, BM, et al .....	1751
<b>Atresia</b>	
New Endoscopic Surgical Method for Unilateral Choanal Atresia—Liktov, B, Csokonai, LV, et al .....	364
Two-Step External Ear Canal Construction in Atresia as Part of Auricular Reconstruction—Siebert, R, Weerda, H .....	708
<b>Attic Wall Reconstruction</b>	
Saddle Blanket Graft Tympanoplasty and Lateral Attic Wall Reconstruction for Defects Produced by Primary Acquired Cholesteatoma—Luetje, CM .....	1497
<b>Auditory Brainstem Response</b>	
Sound-Evoked Myogenic Potentials and Responses With 3-ms Latency in Auditory Brainstem Response—Ochi, K, Ohashi, T .....	1818
<b>Auditory Canal</b>	
Microbiology of Normal External Auditory Canal—Stroman, DW, Roland, PS, et al .....	2054
<b>Auditory Cortex</b>	
Preoperative Functional Assessment of Auditory Cortex in Adult Cochlear Implant Users—Roland, PS, Tobey, EA, et al .....	77
<b>Auditory Neuronal and Hair Cell Toxicity</b>	
Candidate's Thesis: L-N-Acetyl-Cysteine Protection Against Cisplatin-Induced Auditory Neuronal and Hair Cell Toxicity—Feghali, JG, Liu, W, et al .....	1147
<b>Auditory Neuropathy</b>	
Cochlear Implants in Five Cases of Auditory Neuropathy: Postoperative Findings and Progress—Shalloo, JK, Peterson, A, et al .....	555
<b>Auricular Cartilage</b>	
A Morphological Study of Age Changes in Adult Human Auricular Cartilage With Special Emphasis on Elastic Fibers—Ito, I, Imada, M, et al .....	881
<b>Auricular Reconstruction</b>	
Two-Step External Ear Canal Construction in Atresia as Part of Auricular Reconstruction—Siebert, R, Weerda, H .....	708
<b>Autoimmune Mice</b>	
Decreased Cochlear DNA Receptor Staining in MRL MpJ-Fas <sup>lpr</sup> Autoimmune Mice With Hearing Loss—Kaylie, DM, Hefeneider, SH, et al .....	1275
<b>Autoimmune Neuropsychiatric Disorders</b>	
Pediatric Autoimmune Neuropsychiatric Disorders and Streptococcal Infections: Role of Otolaryngologist—Orvidas, LJ, Slattery, MJ .....	1515
<b>Autoimmune Sensorineural Hearing Loss</b>	
Autoimmune Sensorineural Hearing Loss in Young Patients: An Exploratory Study—Tomasi, J-P, Lona, A, et al .....	2050
<b>Autologous Fascia</b>	
Histology of Injected Autologous Fascia in the Paralyzed Canine Vocal Fold—Reijnen, P, Leivo, I, et al .....	1068
<b>Autologous Fibrin Sealant</b>	
Autologous Fibrin Sealant Reduces Pain After Tonsillectomy—Gross, CW, Gallagher, R, et al .....	259
<b>Autologous Transplantation</b>	
Autologous Transplantation of Fascia Into the Vocal Fold: Long-Term Results of a New Phonosurgical Technique for Glottal Incompetence—Tsunoda, K, Baer, T, et al .....	453

## B

### Bacteria, Antibiotic-Killed

Free Radical Production by Antibiotic-Killed Bacteria in the Guinea Pig Middle Ear—Takoudes, TG, Haddad, J, Jr. ....	283
--	-----

### Bacterial Biofilms

Candidate's Thesis: Direct Evidence of Bacterial Biofilms in Otitis Media—Post, JC .....	2083
--	------

### Basal Lamellas

Computed Tomographic and Anatomical Analysis of the Basal Lamellas in the Ethmoid Sinus—Kim, S-S, Lee, J-G, et al ...	424
---	-----

### Base-of-Tongue Cancer

Base-of-Tongue Cancer: Survival, Function, and Quality of Life After External-Beam Irradiation and Brachytherapy—Robertson, ML, Gleich, LL, et al .....	1362
---	------

### Bedside Tracheostomy

Bedside Tracheostomy in the Intensive Care Unit: A Prospective Randomized Trial Comparing Open Surgical Tracheostomy With Endoscopically Guided Percutaneous Dilational Tracheostomy—Massick, DD, Yao, S, et al .....	494
---	-----

### Benign Paroxysmal Positional Vertigo

Benign Paroxysmal Positional Vertigo After Stapedectomy—Atacan, E, Sennaroglu, L, et al .....	1257
Benign Positional Vertigo Without Detectable Nystagmus—Tirelli, G, D'Orlando, E, et al .....	1053

### Bezold's Abscess

Unique Case of Bezold's Abscess Associated With Multiple Dural Sinus Thromboses—Zapanta, PE, Chi, DH, et al .....	1944
---	------

### Bilateral Lateral Rhinotomy Incisions

Bilateral Lateral Rhinotomy Incisions for Medial Maxillectomies in the Management of Pediatric Invasive Fungal Sinusitis—Malhotra, PS, Danahey, D, et al .....	1960
--	------

### Bilateral Median Vocal Fold Fixation

Laser Arytenoidectomy for Bilateral Median Vocal Fold Fixation—Sato, K, Umeno, H, et al .....	168
---	-----

### Bilateral Vestibular Loss

Does High-Frequency Pseudo-Random Rotational Chair Testing Increase the Diagnostic Yield of the ENG Caloric Test in Detecting Bilateral Vestibular Loss in the Dizzy Patient?—Kaplan, DM, Marais, J, et al .....	959
Physical Therapy Outcomes for Persons With Bilateral Vestibular Loss—Brown, KE, Whitney, SL, et al .....	1812

### Biofilms, Bacterial

Candidate's Thesis: Direct Evidence of Bacterial Biofilms in Otitis Media—Post, JC .....	2083
--	------

### Biology, Molecular

Molecular Biological Diagnosis of Congenital and Acquired Cholesteatoma on the Basis of Differences in Telomere Length—Kojima, H, Miyazaki, H, et al .....	867
--	-----

### Biopsy, Fine-Needle Aspiration; see Fine-Needle Aspiration Biopsy

### Bipolar Scissors

Bipolar Scissors Versus Cold Dissection Tonsillectomy: A Prospective Randomized Multi-Unit Study—Raut, V, Bhat, N, et al ....	2178
Prospective Comparison of Scalpel Versus Bipolar Scissors in the Elevation of Radial Forearm Fasciocutaneous Free Flaps—Wax, MK, Winslow, C, et al .....	568

### Bleeding, Post-Tonsillectomy

Post-Tonsillectomy Bleeding: A Meta-Analysis—Krishna, P, Lee, D ..	1358
--	------

### Bolus Transit

Bolus Transit and Airway Protection Coordination in Older Dysphagic Patients—Kendall, KA, Leonard, RJ .....	2017
---	------

### Bone, Facial

Candidate's Thesis: Osseous Tissue Engineering With Gene Therapy for Facial Bone Reconstruction—Lindsey, WH .....	1128
---	------

### Bone, Temporal

Aminoglycoside Ototoxicity: A Human Temporal Bone Study—Hinojosa, R, Nelson, EG, et al .....	1797
Microwave Decalcification of Human Temporal Bones—Cunningham, CD, III, Schulte, BA, et al .....	278

### Bone-Anchored Hearing Aid

Bone-Anchored Hearing Aid Quality of Life Assessed by Glasgow Benefit Inventory—Arunachalam, PS, Kilby, D, et al .....	1260
Results of the Bone-Anchored Hearing Aid in Unilateral Hearing Loss—Wazen, JJ, Spitzer, J, et al .....	955

### Botulinum Toxin

Clinical State of the Art Review: Botulinum Toxin: Basic Science and Clinical Uses in Otolaryngology—Blitzer, A, Sulica, L .....	218
--	-----

### Brachytherapy

Base-of-Tongue Cancer: Survival, Function, and Quality of Life After External-Beam Irradiation and Brachytherapy—Robertson, ML, Gleich, LL, et al .....	1362
---	------

### Brainstem, Rat

Remote Delivery of rAAV-GFP to the Rat Brainstem Through the Recurrent Laryngeal Nerve—Rubin, AD, Hogikyan, ND, et al .....	2041
---	------

### Brainstem, Swallow

Functional Magnetic Resonance Imaging of the Pediatric Swallow:	
---	--

Imaging the Cortex and the Brainstem—Hartnick, CJ, Rudolph, C, et al .....	1183
<b>Brainstem Response, Auditory</b>	
Sound-Evoked Myogenic Potentials and Responses With 3-ms Latency in Auditory Brainstem Response—Ochi, K, Ohashi, T ...	1818
<b>Breathing, Sleep-Disordered</b>	
Frontal and Lateral Cephalometry in Patients With Sleep-Disordered Breathing—Finkelstein, Y, Wexler, D, et al .....	634
Occurrence of Sleep-Disordered Breathing Among Patients With Head and Neck Cancer—Friedman, M, Landsberg, R, et al .....	1917
Sleep-Disordered Breathing: Radiofrequency Thermal Ablation Is a Promising New Treatment Possibility—Bäck, L, Palomäki, M, et al .....	464
<b>Buccal Mucosa Graft</b>	
Use of Buccal Mucosa Graft at Posterior Cricoid Splitting for Subglottic Stenosis Repair—Thomé, R, Thomé, DC, et al ...	2191
<b>Burns, Esophageal Corrosive</b>	
Effects of Interferon- $\alpha$ -2b and Octreotide on Healing of Esophageal Corrosive Burns—Kaygusuz, I, Celik, O, et al .....	1999
<b>Butterfly Cartilage Tympanoplasty</b>	
Evaluation of Inlay Butterfly Cartilage Tympanoplasty: A Randomized Clinical Trial—Mauri, M, Neto, JFL, et al .....	1479
<b>Button, Silastic</b>	
New Technique for the Insertion of a Silastic Button for Septal Perforations—Kelly, G, Lee, P .....	539

## C

### Cadavers

Endoscopic Neck Dissection in Human Cadavers—Dulguerov, P, Leuchter, I, et al .....	2135
---	------

### Calcium Phosphate Coprecipitates

Adenovirus Calcium Phosphate Coprecipitates Enhance Squamous Cell Carcinoma Gene Transfer—Yi, SMP, Lee, JH, et al ....	1290
--	------

### Caloric Test

Does High-Frequency Pseudo-Random Rotational Chair Testing Increase the Diagnostic Yield of the ENG Caloric Test in Detecting Bilateral Vestibular Loss in the Dizzy Patient?—Kaplan, DM, Marais, J, et al .....	959
--	-----

### Canalith, Epley

Candidate's Thesis: Therapeutic Efficacy of the Epley Canalith Repositioning Maneuver—Ruckenstein, MJ .....	940
---	-----

### Cancer

Cancer Induction in the DMBA Hamster Cheek Pouch: A Modified Technique Using a Promoter—Wani, MK, Yarber, RH, et al .....	204
---	-----

### Cancer, Base-of-Tongue

Base-of-Tongue Cancer: Survival, Function, and Quality of Life After External-Beam Irradiation and Brachytherapy—Robertson, ML, Gleich, LL, et al .....	1362
---	------

### Cancer, Glottic

Phonosurgical Reconstruction of Early Glottic Cancer—Zeitels, SM, Jarboe, J, et al .....	1862
--	------

### Cancer, Head and Neck; see Head and Neck Cancer Cancer, Hypopharyngeal

Quality of Life After Treatment for Advanced Laryngeal and Hypopharyngeal Cancer—Major, MS, Bumpous, JM, et al ..	1379
---	------

### Cancer, Laryngeal; see Laryngeal Cancer Cancer, Major Salivary Gland

Prognostic Factors in Major Salivary Gland Cancer—Hocwald, E, Korkmaz, H, et al .....	1434
---	------

### Cancer, Oral Cavity

Technetium 99m Single Positron Emission Computed Tomography Scanning for Assessing Mandible Invasion in Oral Cavity Cancer—Imola, MJ, Gapany, M, et al .....	373
--	-----

### Cancer, Squamous Cell, Head and Neck

Motility-Related Proteins as Markers for Head and Neck Squamous Cell Cancer—Abraham, MT, Kuriakose, A, et al .....	1285
--	------

### Cancer, Tongue

Is Dissection of Level IV Necessary in Patients with T1-T3 NO Tongue Cancer?—Khafif, A, Lopez-Garza, JR, et al .....	1088
--	------

### Cancer; see also Carcinoma; Malignancy; Neoplasms; Tumors

#### Candidate's Thesis

Candidate's Thesis: A Stepwise Surgical Technique Using the Medial Orbital Floor as the Key Landmark in Performing Endoscopic Sinus Surgery—Casiano, RR .....	964
Candidate's Thesis: Antisense Cyclic D1 Enhances Sensitivity to Head and Neck Cancer Cells to Cisplatin—Wang, MB, Yip, HT, et al .....	982
Candidate's Thesis: Delayed, Reversible Hearing Loss Caused by	

Difluoromethylornithine (DFMO)—Doyle, KJ .....	781
Candidate's Thesis: Direct Evidence of Bacterial Biofilms in Otitis Media—Post, JC .....	2083
Candidate's Thesis: Distortion-Product Otoacoustic Emissions and Cochlear Microphonics: Relationships in Patients With and Without Endolymphatic Hydrops—Fetterman, BL .....	946
Candidate's Thesis: Distraction Osteogenesis of the Mandible for Airway Obstruction in Children—Sidman, JD, Sampson, D, et al .....	1137
Candidate's Thesis: Early Oral Feeding Following Total Laryngectomy—Medina, JE, Khafif, A .....	368
Candidate's Thesis: Electrosurgery in Otolaryngology—Head and Neck Surgery: Principles, Advances, and Complications—Smith, TL, Smith, JM .....	769
Candidate's Thesis: Homologous Collagen Substances for Vocal Fold Augmentation—Courey, MS .....	747
Candidate's Thesis: Laryngeal Preservation With Supracricoid Partial Laryngectomy Results in Improved Quality of Life When Compared With Total Laryngectomy—Weinstein, GS, El-Sawy, MM, et al .....	191
Candidate's Thesis: L-N-Acetyl-Cysteine Protection Against Cisplatin-Induced Auditory Neuronal and Hair Cell Toxicity—Feghali, JG, Liu, W, et al .....	1147
Candidate's Thesis: Osseous Tissue Engineering With Gene Therapy for Facial Bone Reconstruction—Lindsey, WH .....	1128
Candidate's Thesis: p53 and Ki-67 as Outcome Predictors for Advanced Squamous Cell Cancers of the Head and Neck Treated With Chemoradiotherapy—Lavertu, P, Adelstein, DJ .....	1878
Candidate's Thesis: Potassium Recycling Pathways in the Human Cochlea—Weber, PC, Cunningham, CD, et al .....	1156
Candidate's Thesis: Therapeutic Efficacy of the Epley Canalith Repositioning Maneuver—Ruckenstein, MJ .....	940
Candidate's Thesis: Transtympanic Versus Sustained-Release Administration of Gentamicin: Kinetics, Morphology, and Function—Hoffer, ME, Allen, K, et al .....	1343

### Canine Model

Fascia Augmentation of the Vocal Fold: Graft Yield in the Canine and Preliminary Clinical Experience—Duke, SG, Salmon, J, et al .....	759
Histology of Injected Autologous Fascia in the Paralyzed Canine Vocal Fold—Reijonen, P, Leivo, I, et al .....	1068

### Carcinoma

Human Papilloma Virus and p53 Expression in Carcinomas Associated With Sinonasal Papillomas: A Danish Epidemiological Study 1980–1998—Buchwald, C, Lindeberg, H, et al .....	1104
--	------

### Carcinoma, Adenoid Cystic

Molecular Differences in Mucoepidermoid Carcinoma and Adenoid Cystic Carcinoma of the Major Salivary Glands—Gibbons, MD, Manne, U, et al .....	1373
--	------

### Carcinoma, Cervical Esophageal

Significance of Retropharyngeal Node Dissection at Radical Surgery for Carcinoma of the Hypopharynx and Cervical Esophagus—Amatsu, M, Mohri, M, et al .....	1099
---	------

### Carcinoma, Glottic

Microinvasive Nd:YAG Laser Therapy of Early Glottic Carcinoma and Its Effect on Soluble Interleukin-2 Receptor, Interleukin-2, and Natural Killer Cells—Lai, J-P, Tao, Z-D, et al .....	1585
Partial Frontolateral Laryngectomy With Epiglottic Reconstruction for Management of Early-Stage Glottic Carcinoma—Giovanni, A, Guelfucci, B, et al .....	663

### Carcinoma, Hypopharyngeal

Significance of Retropharyngeal Node Dissection at Radical Surgery for Carcinoma of the Hypopharynx and Cervical Esophagus—Amatsu, M, Mohri, M, et al .....	1099
---	------

### Carcinoma, Laryngeal

Carcinoma of the Larynx: Predictors of Diagnostic Delay—Habermann, W, Berghold, A, et al .....	653
--	-----

### Carcinoma, Mucoepidermoid

Molecular Differences in Mucoepidermoid Carcinoma and Adenoid Cystic Carcinoma of the Major Salivary Glands—Gibbons, MD, Manne, U, et al .....	1373
--	------

### Carcinoma, Nasopharyngeal; see Nasopharyngeal Carcinoma Carcinoma, Squamous Cell; see Squamous Cell Carcinoma

### Carcinoma, Thyroid

Cause of Death in Patients With Well-Differentiated Thyroid Carcinoma—Beasley, NJP, Walfish, PG, et al .....	989
MRI Detection of Cervical Metastasis From Differentiated Thyroid Carcinoma—Gross, ND, Weissman, JL, et al .....	1905

### Carcinoma, Tonsillar

Epstein-Barr Virus DNA Is Not Increased in Tonsillar Carcinoma—Khabie, N, Savva, A, et al .....	811
---	-----

### Carcinoma; see also Cancer; Malignancy; Neoplasms; Tumors Carotid Arteries

- Electroporation Therapy for Head and Neck Cancer Including Carotid Artery Involvement—Allegretti, JP, Panje, WR ..... 52
- Prevalence of Occult Carotid Artery Stenosis in Patients With Head and Neck Squamous Cell Carcinoma—Cote, CT, Goff, J, et al .... 2214
- Cartilage, Auricular**
- A Morphological Study of Age Changes in Adult Human Auricular Cartilage With Special Emphasis on Elastic Fibers—Ito, I, Imada, M, et al ..... 881
- Cartilage Tympanoplasty**
- Evaluation of Inlay Butterfly Cartilage Tympanoplasty: A Randomized Clinical Trial—Mauri, M, Neto, JFL, et al ..... 1479
- Primary Intubation of Cartilage Tympanoplasties—Danner, CJ, Dornhoffer, JL ..... 177
- CD44**
- Expression of p16, nm23-H1, E-cadherin, and CD44 Gene Products and Their Significance in Nasopharyngeal Carcinoma—Huang, G-W, Mo, W-N, et al ..... 1465
- Cement, Ionomeric**
- Ionomeric Cement in the Human Middle Ear Cavity: Long-Term Results of 23 Cases—Kupperman, D, Tange, RA ..... 306
- Cephalometry**
- Certain Anatomical Relations and the Precise Morphometry of the Infraorbital Foramen—Canal and Groove: An Anatomical and Cephalometric Study—Kazkayasi, M, Ergin, A, et al ..... 609
- Frontal and Lateral Cephalometry in Patients With Sleep-Disordered Breathing—Finkelstein, Y, Wexler, D, et al ..... 634
- Cerebral Cortex**
- Olfactory Epithelium Grafts in the Cerebral Cortex: An Immunohistochemical Analysis—Holbrook, EH, DiNardo, LJ, et al ..... 1964
- Cervical Esophageal Carcinoma**
- Significance of Retropharyngeal Node Dissection at Radical Surgery for Carcinoma of the Hypopharynx and Cervical Esophagus—Amatsu, M, Mohri, M, et al ..... 1099
- Cervical Metastasis**
- MRI Detection of Cervical Metastasis From Differentiated Thyroid Carcinoma—Gross, ND, Weissman, JL, et al ..... 1905
- Cervicofacial Rhytidectomy**
- Cervicofacial Rhytidectomy After Head and Neck Tumor Removal—Lee, JH, Sherris, DA ..... 1702
- Chair, Rotational**
- Does High-Frequency Pseudo-Random Rotational Chair Testing Increase the Diagnostic Yield of the ENG Caloric Test in Detecting Bilateral Vestibular Loss in the Dizzy Patient?—Kaplan, DM, Marais, J, et al ..... 959
- Chemoradiation**
- Chemoradiation for Metastatic SCCA: Role of Comorbidity—Hathaway, B, Johnson, JT, et al ..... 1893
- Chemoradiotherapy**
- Candidate's Thesis: p53 and Ki-67 as Outcome Predictors for Advanced Squamous Cell Cancers of the Head and Neck Treated With Chemoradiotherapy—Lavertu, P, Adelstein, DJ ..... 1878
- Children; see Pediatric Patients Choanal Atresia**
- New Endoscopic Surgical Method for Unilateral Choanal Atresia—Liktov, B, Csokonai, LV, et al ..... 364
- Cholesteatoma**
- Cycline-Dependent Kinase Inhibitor, p27 (KIP1), Is Associated With Cholesteatoma—Bayazit, YA, Karakök, M, et al ..... 1037
- Detection of Macrophage Migration Inhibitory Factor (MIF) in Human Cholesteatomas and Functional Implications of Correlations to Recurrence Status and to Expression of Matrix Metalloproteinases-3/9, Retinoic Acid Receptor- $\beta$ , and Anti-Apoptotic Galectin-3—Choufani, G, Ghanoun, R, et al ..... 1656
- Expression Patterns of Cytokeratins in Retraction Pocket Cholesteatomas—Kim, H-J, Tinling, SP ..... 1032
- Levels of Expression of Galectin-3, But Not of Galectin-1 and Galectin-8, Correlate With Apoptosis in Human Cholesteatomas—Sheikhholeslam-Zadeh, R, Decaestecker, C, et al ..... 1042
- Molecular Biological Diagnosis of Congenital and Acquired Cholesteatoma on the Basis of Differences in Telomere Length—Kojima, H, Miyazaki, H, et al ..... 867
- Saddle Blanket Graft Tympanoplasty and Lateral Attic Wall Reconstruction for Defects Produced by Primary Acquired Cholesteatoma—Luetje, CM ..... 1497
- Virtual Endoscopic Evaluation of Labyrinthine Fistulae Resulting From Cholesteatoma—Briggs, RD, Vrabec, JT, et al ..... 1828
- Chorda Tympani**
- Histopathological Changes of Chorda Tympani in Chronic Otitis Media—Gedikli, O, Dogru, H, et al ..... 724
- Chromosomal Aneuploidy**
- Chromosomal Aneuploidy Precedes Morphological Changes and Supports Multifocality in Head and Neck Lesions—Ai, H, Barrera, JE, et al ..... 1853
- Chronic Frontal Sinusitis**
- Microbiology of Chronic Frontal Sinusitis—Schlosser, RJ, London, SD, et al ..... 1330
- Chronic Otitis Media**
- Chronic Otitis Media Sequelae in Skeletal Material From Medieval Denmark—Qvist, M, Grontved, AM ..... 114
- Histopathological Changes of Chorda Tympani in Chronic Otitis Media—Gedikli, O, Dogru, H, et al ..... 724
- Management of Chronic Otitis Media With Effusion: The Role of Glutathione—Testa, B, Testa, D, et al ..... 1486
- Chronic Rhinoscleroma**
- Interpretation of the Structural Changes Responsible for the Chronicity of Rhinoscleroma—Canalis, RF, Zamboni, L ..... 1020
- Chronic Rhinosinusitis**
- Significance of Computed Tomography Pathology in Chronic Rhinosinusitis—Arango, P, Kountakis, SE ..... 1779
- Chronic Sinusitis**
- Quantitative Analysis of Mucin and Lectin in Maxillary Sinus Fluids in Patients With Acute and Chronic Sinusitis—Shinogi, J, Harada, T, et al ..... 240
- Chronic Vocal Fold Immobility**
- Thyroarytenoid Muscle Maintains Normal Contractile Force in Chronic Vocal Fold Immobility—Johns, MM, Urbanchek, M, et al ..... 2152
- Churg-Strauss Syndrome**
- Otological Manifestations of Churg-Strauss Syndrome—Ishiyama, A, Canalis, RF ..... 1619
- Cilio-Inhibiting Effects of Nasal Drugs**
- Classification of Cilio-Inhibiting Effects of Nasal Drugs—Merkus, P, Romeijn, SG, et al ..... 595
- Cine Magnetic Resonance Imaging**
- Real-Time Cine Magnetic Resonance Imaging for Evaluation of the Pediatric Airway—Faust, RA, Remley, KB, et al ..... 2187
- Cisplatin**
- Candidate's Thesis: Antisense Cyclic D1 Enhances Sensitivity to Head and Neck Cancer Cells to Cisplatin—Wang, MB, Yip, HT, et al ..... 982
- Candidate's Thesis: L-N-Acetyl-Cysteine Protection Against Cisplatin-Induced Auditory Neuronal and Hair Cell Toxicity—Feghali, JG, Liu, W, et al ..... 1147
- Nitric Oxide Improves Cisplatin Cytotoxicity in Head and Neck Squamous Cell Carcinoma—Azizzadeh, B, Yip, HT, et al ... 1896
- Clinical Research**
- Tutorials in Clinical Research: Part III. Selecting a Research Approach to Best Answer a Clinical Question—Neely, JG, Hartman, JM, et al ..... 821
- Clinical State of the Art Review**
- Clinical State of the Art Review: Allergic Fungal Rhinosinusitis: Current Theories and Management Strategies—Marple, BF ..... 1006
- Clinical State of the Art Review: Fine-Needle Aspiration Biopsy—Amedee, RG, Dhurandhar, NR ..... 1551
- Clinical State of the Art Review: Melanoma of the Head and Neck: Current Concepts in Diagnosis and Management—Lentsch, EJ, Myers, JN ..... 1209
- Clinicopathologic Study**
- Laryngeal Angiosarcoma: A Clinicopathologic Study of Five Cases With a Review of the Literature—Loos, BM, Wieneke, JA, et al . 1197
- CLO Test**
- Investigation of *Helicobacter pylori* Colonization in Adenotonsillectomy Specimens By Means of the CLO Test—Unver, S, Kubilay, U, et al ..... 2183
- Clonazepam**
- Role of Clonazepam in the Treatment of Idiopathic Downbeat Nystagmus—Young, Y-H, Huang, T-W ..... 1490
- CO<sub>2</sub> Laser**
- CO<sub>2</sub> Laser Treatment in 244 Patients With Respiratory Papillomas—Dedo, HH, Yu, CY ..... 1639
- Comparison of Wound Healing Using the CO<sub>2</sub> Laser at 10.6  $\mu$ m and 9.55  $\mu$ m—Converse, GM, IV, Ries, WR, et al ..... 1231
- Coagulation, Argon Plasma**
- Long-Term Results of Inferior Turbinate Reduction With Argon Plasma Coagulation—Bergler, WF, Sadick, H, et al ..... 1593
- Cochlea**
- Candidate's Thesis: Potassium Recycling Pathways in the Human Cochlea—Weber, PC, Cunningham, CD, et al ..... 1156
- Cochlear Structures After Implantation of a Perimodiolar Electrode Array—Richter, B, Jaekel, K, et al ..... 837
- Cochlea, Gerbil**
- Expression of Apoptosis-Related Proteins in the Aged Cochlea of

Mongolian Gerbils—Alam, SA, Oshima, T, et al .....	528
<b>Cochlea, Rat</b>	
Expression of p75NTR and Its Associated Protein NADE in the Rat Cochlea—Sano, H, Mukai, J, et al .....	535
<b>Cochlear DNA Receptor Staining</b>	
Decreased Cochlear DNA Receptor Staining in MRL. MpJ-Fas <sup>lpr</sup> Autoimmune Mice With Hearing Loss—Kaylie, DM, Hefeneider, SH, et al .....	1275
<b>Cochlear Implants</b>	
Cochlear Implantation in Healthy and Otitis-Prone Children: A Prospective Study—Luntz, M, Teszler, CB, et al .....	1614
Cochlear Implants in Five Cases of Auditory Neuropathy: Postoperative Findings and Progress—Shalloo, JK, Peterson, A, et al .....	555
Outcome Analysis of Cochlear Implant Reimplantation in Children—Parisier, SC, Chute, PM, et al .....	26
Preoperative Functional Assessment of Auditory Cortex in Adult Cochlear Implant Users—Roland, PS, Tobey, EA, et al .....	77
<b>Cochlear Microphonics</b>	
Candidate's Thesis: Distortion-Product Otoacoustic Emissions and Cochlear Microphonics: Relationships in Patients With and Without Endolymphatic Hydrops—Fetterman, BL .....	946
<b>Cochlear Outer Hair Cells</b>	
Determination of Ototoxicity of Common Otis Drops Using Isolated Cochlear Outer Hair Cells—Jinn, TH, Kim, PD, et al .....	2105
<b>Cochlear Reimplantation</b>	
Cochlear Reimplantation: Surgical Techniques and Functional Results—Alexiades, G, Roland, JT, Jr, et al .....	1608
<b>Cold Dissection Tonsillectomy</b>	
Bipolar Scissors Versus Cold Dissection Tonsillectomy: A Prospective Randomized Multi-Unit Study—Raut, V, Bhat, N, et al .....	2178
<b>Collagen</b>	
Candidate's Thesis: Homologous Collagen Substances for Vocal Fold Augmentation—Courcy, MS .....	747
<b>Comatose Patients</b>	
Optic Nerve Decompression in the Comatose and Conscious Patients After Trauma—Lübben, Björn, Stoll, W, et al .....	320
<b>Combined External and Endoscopic Frontal Sinusotomy</b>	
Combined External and Endoscopic Frontal Sinusotomy With Stent Placement: A Retrospective Review—Benoit, CM, Duncavage, JA .....	1246
<b>Common Otis Drops</b>	
Determination of Ototoxicity of Common Otis Drops Using Isolated Cochlear Outer Hair Cells—Jinn, TH, Kim, PD, et al .....	2105
<b>Communication</b>	
Health-Related Quality of Life in Patients With Laryngeal Cancer: A Post-Treatment Comparison of Different Modes of Communication—Finizia, C, Bergman, B .....	918
<b>Comorbidity</b>	
Chemoradiation for Metastatic SCCA: Role of Comorbidity—Hathaway, B, Johnson, JT, et al .....	1893
<b>Complementary Medicine</b>	
State of the Art Review: Complementary and Alternative Medicine in Otolaryngology—Asher, BF, Seidman, M, et al .....	1383
<b>Complex Oromandibular Defects</b>	
Use of Palatal Island Flaps as an Adjunct to Microvascular Free Tissue Transfer for Reconstruction of Complex Oromandibular Defects—Ducic, Y, Herford, AS .....	1666
<b>Compressed-Air Diving</b>	
Inner Ear Decompression Sickness in Sport Compressed-Air Diving—Nachum, Z, Shupak, A, et al .....	851
<b>Computed Tomography</b>	
Asymmetry of the Ethmoid Roof: Analysis Using Coronal Computed Tomography—Lebowitz, RA, Terk, A, et al .....	2122
Computed Tomographic and Anatomical Analysis of the Basal Lamellas in the Ethmoid Sinus—Kim, S-S, Lee, J-G, et al ...	424
Endoscopy-Negative, Computed Tomography-Negative Facial Pain in a Nasal Clinic—West, B, Jones, NS .....	581
Preoperative Computed Tomography Diagnosis of Non-Recurrent Inferior Laryngeal Nerve—Watanabe, A, Kawabori, S, et al .....	1756
Preoperative Computed Tomography Scans for Parotid Tumor Evaluation—Urquhart, A, Hutchins, LG, et al .....	1984
Significance of Computed Tomography Pathology in Chronic Rhinosinusitis—Arango, P, Kountakis, SE .....	1779
Surgical Anatomy of the Nasofrontal Duct: Anatomical and Computed Tomographic Analysis—Kim, KS, Kim, HU, et al .....	603
Technetium 99m Single Positron Emission Computed Tomography Scanning for Assessing Mandible Invasion in Oral Cavity Cancer—Imola, MJ, Gapany, M, et al .....	373
Use of Reconstructed Sagittal Computed Tomography Images to Plan Middle Cranial Fossa Surgery—Olson, KL, Manolidis, S, et al .....	
	2095
<b>Computer Dynamic Posturography</b>	
Predicting Fall Risks in an Elderly Population: Computer Dynamic Posturography Versus Electronystagmography Test Results—Girardi, M, Konrad, HR, et al .....	1528
<b>Computer-Assisted Anatomical Study</b>	
Computer-Assisted Anatomical Study of the Nasofrontal Region—Landsberg, R, Friedman, M .....	2125
<b>Concha Bullosa</b>	
New Turbinoplasty Technique for the Management of Concha Bullosa: Our Short-Term Outcomes—Dogru, H, Tüz, M, et al ....	172
<b>Conductive Hearing Loss</b>	
Outcomes and Patient-Based Hearing Status in Conductive Hearing Loss—Stewart, MG .....	Supplement No. 98
<b>Conductive Olfactory Loss</b>	
Diagnosis of a Conductive Olfactory Loss—Seiden, AM, Duncan, HJ .....	9
<b>Conduit, Salivary</b>	
Prosthetic Management of Pharyngocutaneous Fistula by Means of a Salivary Conduit—Zaki, HS, Kharchaf, M, et al .....	548
<b>Congenital Cholesteatoma</b>	
Molecular Biological Diagnosis of Congenital and Acquired Cholesteatoma on the Basis of Differences in Telomere Length—Kojima, H, Miyazaki, H, et al .....	867
<b>Congenital Lymphatic Malformation</b>	
Sclerotherapy With Picibanil (OK-432) for Congenital Lymphatic Malformation in the Head and Neck—Sung, M-W, Lee, D-W, et al .....	1430
<b>Congenital Muscular Torticollis</b>	
Pseudotumor of Infancy and Congenital Muscular Torticollis: 170 Cases—Wei, JL, Schwartz, KM, et al .....	688
<b>Conscious Patients</b>	
Optic Nerve Decompression in the Comatose and Conscious Patients After Trauma—Lübben, Björn, Stoll, W, et al .....	320
<b>Consultation Service, Otolaryngology</b>	
Improving the Otolaryngology Consultation Service in a Teaching Hospital—Carr, MM .....	1166
<b>Contact Rhinoscopy</b>	
In Vivo Diagnosis of Nasopharyngeal Carcinoma Using Contact Rhinoscopy—Pak, MW, To, KF, et al .....	1453
<b>Contaminated Head and Neck Surgery</b>	
Role of Topical Antibiotic Prophylaxis in Patients Undergoing Contaminated Head and Neck Surgery With Flap Reconstruction—Simons, JP, Johnson, JT, et al .....	329
<b>Continuous Positive Airway Pressure</b>	
Radiofrequency Treatment of Turbinate Hypertrophy in Subjects Using Continuous Positive Airway Pressure: A Randomized Double-Blind Placebo-Controlled Clinical Pilot Trial—Powell, NB, Zonato, AI, et al .....	1783
<b>Contractile Force</b>	
Thyroarytenoid Muscle Maintains Normal Contractile Force in Chronic Vocal Fold Immobility—Johns, MM, Urbanek, M, et al .....	2152
<b>Copper Suppression</b>	
Dean Lierle Residents Award: The Role of Copper Suppression as an Antiangiogenic Strategy in Head and Neck Squamous Cell Carcinoma—Cox, C, Teknos, TN, et al .....	696
<b>Coprecipitates, Adenovirus Calcium Phosphate</b>	
Adenovirus Calcium Phosphate Coprecipitates Enhance Squamous Cell Carcinoma Gene Transfer—Yi, SMP, Lee, JH, et al ...	1290
<b>Coronal Computed Tomography</b>	
Asymmetry of the Ethmoid Roof: Analysis Using Coronal Computed Tomography—Lebowitz, RA, Terk, A, et al .....	2122
<b>Corrosive Burns, Esophageal</b>	
Effects of Interferon- $\alpha$ -2b and Octreotide on Healing of Esophageal Corrosive Burns—Kaygusuz, I, Celik, O, et al .....	1999
<b>Cortex, Auditory</b>	
Preoperative Functional Assessment of Auditory Cortex in Adult Cochlear Implant Users—Roland, PS, Tobey, EA, et al ....	77, 77
<b>Cortex, Cerebral</b>	
Olfactory Epithelium Grafts in the Cerebral Cortex: An Immunohistochemical Analysis—Holbrook, EH, DiNardo, LJ, et al .....	1964
<b>Cortex, Swallow</b>	
Functional Magnetic Resonance Imaging of the Pediatric Swallow: Imaging the Cortex and the Brainstem—Hartnick, CJ, Rudolph, C, et al .....	1183
<b>Cortical Representation</b>	
Cortical Representation of the Orbicularis Oculi Muscle as Assessed by Transcranial Magnetic Stimulation (TMS)—Roedel, RMW, Laskawi, R, et al .....	2004
<b>Cost/Benefit Analysis</b>	



Cost/Benefit Analysis of Open Tracheotomy, in the OR and at the Bedside, With Percutaneous Tracheotomy—Levin, R, Trivikram, L .....	1169
<b>Cotinine, Urinary</b>	
Evaluation of the Effect of Passive Smoking on Otitis Media in Children by an Objective Method: Urinary Cotinine Analysis—Ilicali, OC, Keles, Nesil, et al .....	163
<b>Counseling, Genetic</b>	
Genetic Testing and Genetic Counseling for Deafness: The Future is Here—Brunger, JW, Matthews, AI, et al .....	715
<b>Cranial Defects</b>	
Management of Cranial Defects After Frontal Osteoplastic Flap—Rubinstein, B, Strong, EB .....	541
<b>Cranial Fossa Surgery</b>	
Use of Reconstructed Sagittal Computed Tomography Images to Plan Middle Cranial Fossa Surgery—Olson, KL, Manolidis, S, et al .....	2095
<b>Cricoid Splitting</b>	
Use of Buccal Mucosa Graft at Posterior Cricoid Splitting for Subglottic Stenosis Repair—Thomé, R, Thomé, DC, et al ..	2191
<b>Cricopharyngeus Contraction</b>	
Recurrent Laryngeal Nerve Monitoring by Cricopharyngeus Contraction—Sasaki, CT, Mitra, S .....	738
<b>Culture, Nasal</b>	
Comparison of Antral Tap With Endoscopically Directed Nasal Culture—Casiano, RR, Cohn, S, et al .....	1333
<b>Cycline-Dependent Kinase Inhibitor</b>	
Cycline-Dependent Kinase Inhibitor, p27 (KIP1), Is Associated With Cholesteatoma—Bayazit, YA, Karakök, M, et al .....	1037
<b>Cystic Hygroma</b>	
Cystic Hygroma/Lymphangioma: A Rational Approach to Management—Kennedy, TL, Whitaker, M, et al .....	1929
<b>Cysts, Parathyroid; see Parathyroid Cysts Cytokeratins</b>	
Expression Patterns of Cytokeratins in Retraction Pocket Cholesteatomas—Kim, H-J, Tinling, SP .....	1032
<b>Cytokine Gene Therapy, Nonviral</b>	
Combination Nonviral Cytokine Gene Therapy for Head and Neck Cancer—Li, D, Zeiders, JW, et al .....	815
<b>Cytokine Levels</b>	
Changes in Serum Interferon- $\gamma$ , Interleukin-4, and Interleukin-12 Cytokine Levels in Anti-Histamine Type 2-Treated Allergic Rhinitis Patients—Testa, B, Mesolella, C, et al .....	236
<b>Cytology</b>	
Tracheal Transplantation: Cytological Changes Studied by Scanning and Transmission Electron Microscopy in the Rabbit—Zagalo, C, Grande, NR, et al .....	657
Value of Fine-Needle Aspiration Cytology of Parotid Gland Masses—Zbären, P, Schär, C, et al .....	1989
<b>Cytotoxicity, Cisplatin</b>	
Nitric Oxide Improves Cisplatin Cytotoxicity in Head and Neck Squamous Cell Carcinoma—Azizadeh, B, Yip, HT, et al ...	1896
<b>D</b>	
<b>Danish Epidemiological Study</b>	
Human Papilloma Virus and p53 Expression in Carcinomas Associated With Sinonasal Papillomas: A Danish Epidemiological Study 1980–1998—Buchwald, C, Lindeberg, H, et al .....	1104
<b>Deafness; see also Hearing Loss</b>	
Genetic Testing and Genetic Counseling for Deafness: The Future is Here—Brunger, JW, Matthews, AI, et al .....	715
<b>Dean Lierle Residents Award</b>	
Dean Lierle Residents Award: The Role of Copper Suppression as an Antiangiogenic Strategy in Head and Neck Squamous Cell Carcinoma—Cox, C, Teknos, TN, et al .....	696
<b>Death</b>	
Cause of Death in Patients With Well-Differentiated Thyroid Carcinoma—Beasley, NJP, Walfish, PG, et al .....	989
<b>Decalcification, Microwave</b>	
Microwave Decalcification of Human Temporal Bones—Cunningham, CD, III, Schulte, BA, et al .....	278
<b>Decompression, Optic Nerve</b>	
Optic Nerve Decompression in the Comatose and Conscious Patients After Trauma—Lübben, Björn, Stoll, W, et al .....	320
<b>Decompression Sickness</b>	
Inner Ear Decompression Sickness in Sport Compressed-Air Diving—Nachum, Z, Shupak, A, et al .....	851
<b>Degranulation</b>	
Degranulation of Mast Cells Provokes a Massive Inflammatory Reaction in the Tympanic Membrane—Eriksson, PO, Hellström, S .....	1264
<b>Delayed Regional Metastases</b>	
Delayed Regional Metastases, Distant Metastases, and Second Primary Malignancies in Squamous Cell Carcinomas of the Larynx and Hypopharynx—Spector, JG, Sessions, DG, et al .....	1079
<b>Delta Aminolevulinic Acid</b>	
Enhancement of Delta Aminolevulinic Acid-Photodynamic Therapy in vivo by Decreasing Tumor pH With Glucose and Amiloride—Piot, B, Rousset, N, et al .....	2205
<b>Dendritic Cells</b>	
Dendritic Cells Pulsed With Apoptotic Squamous Cell Carcinoma Have Anti-Tumor Effects When Combined With Interleukin-2—Son, Y-I, Mailliard, RB, et al .....	1472
<b>Denmark</b>	
Chronic Otitis Media Sequelae in Skeletal Material From Medieval Denmark—Qvist, M, Grontved, AM .....	114
<b>Dental Overbite</b>	
Relationship Between Dental Overbite and Eustachian Tube Dysfunction—McDonnell, JP, Needleman, HL, et al .....	310
<b>Dental Sepsis</b>	
Teaching Case: Pott's Puffy Tumor and Epidural Abscess Arising From Dental Sepsis: A Case Report—Chandy, B, Todd, J, et al ..	1732
<b>Dermal Allograft</b>	
Tympanic Membrane Repair With a Dermal Allograft—Laidlaw, DW, Costantino, PD, et al .....	702
<b>Dermis, Acellular</b>	
Use of Acellular Dermis in the Prevention of Frey's Syndrome—Govindaraj, S, Cohen, M, et al .....	1993
<b>Dexamethasone</b>	
Use of Dexamethasone on the Prophylaxis of Nausea and Vomiting After Tympanomastoid Surgery—Liu, Y-H, Li, M-J, et al ...	1271
<b>Dextromethorphan</b>	
Improved Postoperative Pain Control in Pediatric Adenotonsillectomy With Dextromethorphan—Dawson, GS, Seidman, P, et al .....	1223
<b>Dextronomers in Hyaluronan Injections</b>	
DiHA (Dextronomers in Hyaluronan) Injections for Treatment of Insufficient Closure of the Vocal Folds: Early Clinical Experiences—Hallén, L, Testad, P, et al .....	1063
<b>DFMO; see Difluoromethylornithine Diabetes Mellitus</b>	
Vestibular End-Organ Impairment in an Animal Model of Type 2 Diabetes Mellitus—Perez, R, Ziv, E, et al .....	110
<b>Diagnosis</b>	
Diagnosis of a Conductive Olfactory Loss—Seiden, AM, Duncan, HJ .....	9
Evaluation of the Utility and Cost-Effectiveness of Obtaining Histopathologic Diagnosis on All Routine Tonsillectomy Specimens—Younis, RT, Hesse, SV, et al .....	2166
<b>Difluoromethylornithine (DFMO)</b>	
Candidate's Thesis: Delayed, Reversible Hearing Loss Caused by Difluoromethylornithine (DFMO)—Doyle, KJ .....	781
<b>DiHA Injections</b>	
DiHA (Dextronomers in Hyaluronan) Injections for Treatment of Insufficient Closure of the Vocal Folds: Early Clinical Experiences—Hallén, L, Testad, P, et al .....	1063
<b>Dilational Tracheotomy, Percutaneous</b>	
Bedside Tracheostomy in the Intensive Care Unit: A Prospective Randomized Trial Comparing Open Surgical Tracheostomy With Endoscopically Guided Percutaneous Dilational Tracheotomy—Massick, DD, Yao, S, et al .....	494
<b>Distant Metastases</b>	
Delayed Regional Metastases, Distant Metastases, and Second Primary Malignancies in Squamous Cell Carcinomas of the Larynx and Hypopharynx—Spector, JG, Sessions, DG, et al .....	1079
<b>Distortion-Product Otoacoustic Emissions</b>	
Candidate's Thesis: Distortion-Product Otoacoustic Emissions and Cochlear Microphonics: Relationships in Patients With and Without Endolymphatic Hydrops—Fetterman, BL .....	946
Distortion-Product Otoacoustic Emissions and Glycerol Testing in Endolymphatic Hydrops—Magliulo, G, Cianfrone, G, et al ...	102
<b>Distraction Osteogenesis of Mandible</b>	
Candidate's Thesis: Distraction Osteogenesis of the Mandible for Airway Obstruction in Children—Sidman, JD, Sampson, D, et al .....	1137
<b>Diverticulum, Zenker's</b>	
Feasibility and Outcome of Endoscopic Staple-Assisted Esophagodiverticulostomy for Zenker's Diverticulum—Thaler, ER, Weber, RS, et al .....	1506
<b>Diving, Compressed-Air</b>	
Inner Ear Decompression Sickness in Sport Compressed-Air Diving—Nachum, Z, Shupak, A, et al .....	851
<b>Diving, Oxygen</b>	

- Can Eustachian Tube Ventilatory Function Impairment After Oxygen Diving Be Influenced by Application of Free Radical Scavenger Vitamins C and E?—Mutzbauer, TS, Neubauer, B, et al ..... 861
- Dizziness**  
Does High-Frequency Pseudo-Random Rotational Chair Testing Increase the Diagnostic Yield of the ENG Caloric Test in Detecting Bilateral Vestibular Loss in the Dizzy Patient?—Kaplan, DM, Marais, J, et al ..... 959
- DMBA Hamster**  
Cancer Induction in the DMBA Hamster Cheek Pouch: A Modified Technique Using a Promoter—Wani, MK, Yarber, RH, et al ..... 204
- DNA**  
Deceased Cochlear DNA Receptor Staining in MRL. MpJ-Fas<sup>lpr</sup> Autoimmune Mice With Hearing Loss—Kaylie, DM, Hefeneider, SH, et al ..... 1275  
Epstein-Barr Virus DNA Is Not Increased in Tonsillar Carcinoma—Khabie, N, Savva, A, et al ..... 811
- Dogs; see Canine Model Donor Alloantigen**  
Pretreatment With Portal Venous Ultraviolet B Irradiated Donor Alloantigen Promotes Donor-Specific Tolerance to Rat Nerve Allografts—Genden, EM, Mackinnon, SE, et al ..... 439
- Donor-Specific Tolerance**  
Pretreatment With Portal Venous Ultraviolet B Irradiated Donor Alloantigen Promotes Donor-Specific Tolerance to Rat Nerve Allografts—Genden, EM, Mackinnon, SE, et al ..... 439
- Doppler Interferometry, Eardrum Laser**  
Evaluation of Eardrum Laser Doppler Interferometry as a Diagnostic Tool—Huber, AM, Schwab, C, et al ..... 501
- Double-Probe pH Monitoring**  
Ambulatory 24-Hour Double-Probe pH Monitoring: The Importance of Manometry—Johnson, PE, Koufman, JA, et al ..... 1970
- Down Syndrome**  
Nasal Ciliary Function and Ultrastructure in Down Syndrome—Piatti, G, Allegra, L, et al ..... 1227
- Downbeat Nystagmus, Idiopathic**  
Role of Clonazepam in the Treatment of Idiopathic Downbeat Nystagmus—Young, Y-H, Huang, T-W ..... 1490
- Drill, Intranasal**  
Giant Ethmoid Osteoma With Orbital Extension, a Nasoendoscopic Approach Using an Intranasal Drill—Huang, H-M, Liu, C-M, et al ..... 430
- Driving**  
Road to Danger: The Comparative Risks of Driving While Sleepy—Powell, NB, Schechtman, KB, et al ..... 887
- Drugs, Nasal**  
Classification of Cilio-Inhibiting Effects of Nasal Drugs—Merkus, P, Romeijn, SG, et al ..... 595
- Dural Sinus Thromboses**  
Unique Case of Bezold's Abscess Associated With Multiple Dural Sinus Thromboses—Zapanta, PE, Chi, DH, et al ..... 1944
- Dynamic Laryngotracheal Closure**  
Dynamic Laryngotracheal Closure for Aspiration: A Preliminary Report—Broniatowski, M, Grundfest-Broniatowski, S, et al ..... 2032
- Dynamic Posturography, Computer**  
Predicting Fall Risks in an Elderly Population: Computer Dynamic Posturography Versus Electronystagmography Test Results—Girardi, M, Konrad, HR, et al ..... 1528
- Dysphagia**  
Bolus Transit and Airway Protection Coordination in Older Dysphagic Patients—Kendall, KA, Leonard, RJ ..... 2017
- Dysphonia**  
Clinical Features of Functional Dysphonia—Sama, A, Carding, PN, et al ..... 458  
Phonoscopy—A Valuable Tool for Otolaryngologists and Speech-Language Pathologists in the Management of Dysphonic Patients—Leonard, R, Kendall, K ..... 1760  
Thyroplasty for Adductor Spasmodic Dysphonia: Further Experiences—Isshiki, N, Haji, T, et al ..... 615
- Dystonia, Laryngeal**  
Study of Laryngeal Muscle Activity in Normal Human Subjects and in Patients With Laryngeal Dystonia Using Multiple Fine-Wire Electromyography—Hillel, AD ..... Supplement No. 97
- E**  
**Ear, Asymptomatic**  
Endolymphatic Hydrops in Asymptomatic Ears in Unilateral Ménière's Disease—Friedrichs, I, Thornton, ARD, et al ..... 857
- Ear, External; see External Ear Ear, Foreign Bodies of**  
Insecticidal Activity of Common Reagents for Insect Foreign Bodies of the Ear—Antonelli, PJ, Ahmadi, A, et al ..... 15
- Ear, Inner; see Inner Ear Ear, Middle; see Middle Ear Ear Canal**  
Two-Step External Ear Canal Construction in Atresia as Part of Auricular Reconstruction—Siebert, R, Weerda, H ..... 708
- Ear Surgery**  
Optimal Concentration of Epinephrine for Vasoconstriction in Ear Surgery—Gessler, EM, Hart, KE, et al ..... 1687
- Eardrum Laser Doppler Interferometry**  
Evaluation of Eardrum Laser Doppler Interferometry as a Diagnostic Tool—Huber, AM, Schwab, C, et al ..... 501
- Early Glottic Cancer**  
Phonosurgical Reconstruction of Early Glottic Cancer—Zeitels, SM, Jarboe, J, et al ..... 1862
- Early Glottic Carcinoma**  
Microinvasive Nd:YAG Laser Therapy of Early Glottic Carcinoma and its Effect on Soluble Interleukin-2 Receptor, Interleukin-2, and Natural Killer Cells—Lai, J-P, Tao, Z-D, et al ..... 1585  
Partial Frontolateral Laryngectomy With Epiglottic Reconstruction for Management of Early-Stage Glottic Carcinoma—Giovanni, A, Guelfucci, B, et al ..... 663
- Early Gold Weight Implantation**  
Early Versus Late Gold Weight Implantation for Rehabilitation of the Paralyzed Eyelid—Snyder, MC, Johnson, PJ, et al ..... 2109
- Early Oral Feeding**  
Candidate's Thesis: Early Oral Feeding Following Total Laryngectomy—Medina, JE, Khafif, A ..... 368
- E-cadherin**  
Expression of p16, nm23-H1, E-cadherin, and CD44 Gene Products and Their Significance in Nasopharyngeal Carcinoma—Huang, G-W, Mo, W-N, et al ..... 1465
- Ecballium elaterium**  
Upper Airway Edema Resulting From Use of Ecballium elaterium—Kloutsos, G, Balatsouras, DG, et al ..... 1652
- Edema, Reinke's**  
Unilateral or Localized Reinke's Edema (Pseudocyst) as a Manifestation of Vocal Fold Paresis: The Paresis Podule—Koufman, JA, Belafsky, PC ..... 576
- Edema, Upper Airway**  
Upper Airway Edema Resulting From Use of Ecballium elaterium—Kloutsos, G, Balatsouras, DG, et al ..... 1652
- Elastic Fibers**  
A Morphological Study of Age Changes in Adult Human Auricular Cartilage With Special Emphasis on Elastic Fibers—Ito, I, Imada, M, et al ..... 881
- Elderly**  
Bolus Transit and Airway Protection Coordination in Older Dysphagic Patients—Kendall, KA, Leonard, RJ ..... 2017  
Photofrin-Mediated Photodynamic Therapy for Treatment of Aggressive Head and Neck Nonmelanomatous Skin Tumors in Elderly Patients—Schweitzer, VG ..... 1091  
Predicting Fall Risks in an Elderly Population: Computer Dynamic Posturography Versus Electronystagmography Test Results—Girardi, M, Konrad, HR, et al ..... 1528
- Electrocochleography, Transtympanic**  
Safety and Patient Experience With Transtympanic Electrocochleography—Ng, M, Srireddy, S, et al ..... 792
- Electrode Array**  
Cochlear Structures After Implantation of a Perimodiolar Electrode Array—Richter, B, Jaekel, K, et al ..... 837  
Nucleus Contour Electrode Array: A Radiological and Histological Study—Richter, B, Aschendorff, A, et al ..... 508
- Electrodissection Tonsillectomy**  
A Prospective Study on Pros and Cons of Electrodissection Tonsillectomy—Blomgren, K, Qvarnberg, YH, et al ..... 478
- Electrogustometry**  
Long-Term Follow-up Results of Electrogustometry and Subjective Taste Disorder After Middle Ear Surgery—Saito, T, Manabe, Y, et al ..... 2064
- Electromyography**  
Study of Laryngeal Muscle Activity in Normal Human Subjects and in Patients With Laryngeal Dystonia Using Multiple Fine-Wire Electromyography—Hillel, AD ..... Supplement No. 97
- Electron Microscopy**  
Tracheal Transplantation: Cytological Changes Studied by Scanning and Transmission Electron Microscopy in the Rabbit—Zagalo, C, Grande, NR, et al ..... 657
- Electronystagmography**  
Predicting Fall Risks in an Elderly Population: Computer Dynamic Posturography Versus Electronystagmography Test Results—Girardi, M, Konrad, HR, et al ..... 1528
- Electroporation Therapy**  
Electroporation Therapy for Head and Neck Cancer Including

Carotid Artery Involvement—Allegretti, JP, Panje, WR .....	52
<b>Electrosurgery</b>	
Candidate's Thesis: Electrosurgery in Otolaryngology—Head and Neck Surgery: Principles, Advances, and Complications—Smith, TL, Smith, JM .....	769
Comparison of Monopolar Electrosurgery to a New Multipolar Electrosurgical System in a Rat Model—Chinpaioj, S, Feldman, MD, et al .....	213
<b>Encephalomyopathy, Mitochondrial</b>	
Progressive Sensorineural Hearing Loss in Children With Mitochondrial Encephalomyopathies—Zwirner, P, Wilichowski, E .....	515
<b>Endolymphatic Hydrops</b>	
Candidate's Thesis: Distortion-Product Otoacoustic Emissions and Cochlear Microphonics: Relationships in Patients With and Without Endolymphatic Hydrops—Fetterman, BL .....	946
Distortion-Product Otoacoustic Emissions and Glycerol Testing in Endolymphatic Hydrops—Magliulo, G, Cianfrone, G, et al ...	102
Endolymphatic Hydrops in Asymptomatic Ears in Unilateral Ménière's Disease—Friedrichs, I, Thornton, ARD, et al .....	857
Selective Vestibular Ablation by KTP Laser in Endolymphatic Hydrops—Adamczyk, M, Antonelli, PJ .....	1057
Spontaneous Otoacoustic Emissions in Humans With Endolymphatic Hydrops—Haginomori, S-I, Makimoto, K, et al .....	96
<b>End-Organ Impairment, Vestibular</b>	
Vestibular End-Organ Impairment in an Animal Model of Type 2 Diabetes Mellitus—Perez, R, Ziv, E, et al .....	110
<b>Endoscopic Sinus Surgery</b>	
Candidate's Thesis: A Stepwise Surgical Technique Using the Medial Orbital Floor as the Key Landmark in Performing Endoscopic Sinus Surgery—Casiano, RR .....	964
Timing of Endoscopic Sinus Surgery in Children: Is There an Impact on Outcome?—Ramadan, HH .....	1709
<b>Endoscopy</b>	
Bedsides Tracheostomy in the Intensive Care Unit: A Prospective Randomized Trial Comparing Open Surgical Tracheostomy With Endoscopically Guided Percutaneous Dilational Tracheostomy—Massick, DD, Yao, S, et al .....	494
Combined External and Endoscopic Frontal Sinusotomy With Stent Placement: A Retrospective Review—Benoit, CM, Duncavage, JA .....	1246
Comparison of Antral Tap With Endoscopically Directed Nasal Culture—Casiano, RR, Cohn, S, et al .....	1333
Endoscopic and Endoscopic-Assisted Surgery for Juvenile Angiofibroma—Carrau, RL, Snyderman, CH, et al .....	483
Endoscopic Arytenoid Repositioning for Unilateral Arytenoid Fixation—Amin, MR, Koufman, JA .....	44
Endoscopic Evaluation of the Infratemporal Fossa—Hartnick, CJ, Lacy, PD, et al .....	353
Endoscopic Extraction of an Intranasal Tooth: A Review of 13 Cases—Lee, F-P .....	1027
Endoscopic Inferior Turbinate Reduction: An Outcomes Analysis—Gupta, A, Mercurio, E, et al .....	1957
Endoscopic Management of 108 Sinus Mucocoeles—Har-El, G ..	2131
Endoscopic Neck Dissection in Human Cadavers—Dulguerov, P, Leuchter, I, et al .....	2135
Endoscopic Removal of the Antral Portion of Antrochoanal Polyp by Powered Instrumentation—Hong, SK, Min, Y-G, et al .....	1774
Endoscopy-Negative, Computed Tomography-Negative Facial Pain in a Nasal Clinic—West, B, Jones, NS .....	581
Failsafe Technique for Endoscopic Tracheoesophageal Puncture—Koch, WM .....	1663
Feasibility and Outcome of Endoscopic Staple-Assisted Esophagodiverticulostomy for Zenker's Diverticulum—Thaler, ER, Weber, RS, et al .....	1506
New Endoscopic Surgical Method for Unilateral Choanal Atresia—Liktov, B, Csokonai, LV, et al .....	364
Percutaneous Endoscopic Gastrostomy: Strategies for Prevention and Management of Complications—Lin, H-S, Ibrahim, HZ, et al ....	1847
Sellar Reconstruction After Endoscopic Transnasal Hypophysectomy—Nakagawa, T, Asada, M, et al .....	2077
Simultaneous Modified Evans Blue Dye Procedure and Video Nasal Endoscopic Evaluation of the Swallow—Donzelli, J, Brady, S, et al .....	1746
Target-Controlled Infusion in Sleep Endoscopy—Roblin, G, Williams, AR, et al .....	175
Top 10 Reasons for Endoscopic Maxillary Sinus Surgery Failure—Richtsmeier, WJ .....	1952
Virtual Endoscopic Evaluation of Labyrinthine Fistulae Resulting From Cholesteatoma—Briggs, RD, Vrabec, JT, et al .....	1828
<b>Endotoxin</b>	
How Does Endotoxin Trigger Inflammation in Otitis Media With Effusion?—Schousboe, LP, Ovesen, T, et al .....	297
<b>ENG Caloric Test</b>	
Does High-Frequency Pseudo-Random Rotational Chair Testing Increase the Diagnostic Yield of the ENG Caloric Test in Detecting Bilateral Vestibular Loss in the Dizzy Patient?—Kaplan, DM, Marais, J, et al .....	959
<b>Epidural Abscess</b>	
Teaching Case: Pott's Puffy Tumor and Epidural Abscess Arising From Dental Sepsis: A Case Report—Chandy, B, Todd, J, et al ..	1732
<b>Epiglottic Reconstruction</b>	
Partial Frontolateral Laryngectomy With Epiglottic Reconstruction for Management of Early-Stage Glottic Carcinoma—Giovanni, A, Guelfucci, B, et al .....	663
<b>Epinephrine</b>	
Optimal Concentration of Epinephrine for Vasoconstriction in Ear Surgery—Gessler, EM, Hart, KE, et al .....	1687
<b>Epithelial Cells, Sinus</b>	
Regulation of Mucociliary Motility by Nitric Oxide and Expression of Nitric Oxide Synthase in the Human Sinus Epithelial Cells—Kim, J-W, Min, Y-G, et al .....	246
<b>Epithelium Grafts, Olfactory</b>	
Olfactory Epithelium Grafts in the Cerebral Cortex: An Immunohistochemical Analysis—Holbrook, EH, DiNardo, LJ, et al .....	1964
<b>Epley Canalith Repositioning Maneuver</b>	
Candidate's Thesis: Therapeutic Efficacy of the Epley Canalith Repositioning Maneuver—Ruckenstein, MJ .....	940
<b>Epstein-Barr Virus</b>	
Adenotonsillar Hypertrophy and Epstein-Barr Virus in Pediatric Organ Transplant Recipients—Shapiro, NL, Strocker, AM ..	997
Differentiation of Recurrent Nasopharyngeal Carcinoma and Skull Base Osteoradionecrosis by Epstein-Barr Virus-Derived Latent Membrane Protein-1 Gene—Hao, S-P, Tsang, N-M, et al ....	650
Epstein-Barr Virus DNA Is Not Increased in Tonsillar Carcinoma—Khabie, N, Savva, A, et al .....	811
<b>ePTFE; see Expanded Polytetrafluoroethylene Esophageal Carcinoma</b>	
Significance of Retropharyngeal Node Dissection at Radical Surgery for Carcinoma of the Hypopharynx and Cervical Esophagus—Amatsu, M, Mohri, M, et al .....	1099
<b>Esophagodiverticulostomy</b>	
Feasibility and Outcome of Endoscopic Staple-Assisted Esophagodiverticulostomy for Zenker's Diverticulum—Thaler, ER, Weber, RS, et al .....	1506
<b>Esophageal Corrosive Burns</b>	
Effects of Interferon- $\alpha$ -2b and Octreotide on Healing of Esophageal Corrosive Burns—Kaygusuz, I, Celik, O, et al .....	1999
<b>Esthesioneuroblastoma</b>	
Esthesioneuroblastoma: The University of Iowa Experience 1978–1998—Simon, JH, Zhen, W, et al .....	488
<b>Ethmoid Osteoma</b>	
Giant Ethmoid Osteoma With Orbital Extension, a Nasoendoscopic Approach Using an Intranasal Drill—Huang, H-M, Liu, C-M, et al .....	430
<b>Ethmoid Roof</b>	
Asymmetry of the Ethmoid Roof: Analysis Using Coronal Computed Tomography—Lebowitz, RA, Terk, A, et al .....	2122
Surgical Anatomy of the Anterior Ethmoidal Canal in Ethmoid Roof—Moon, H-J, Kim, H-U, et al .....	900
<b>Ethmoid Sinus</b>	
Computed Tomographic and Anatomical Analysis of the Basal Lamellas in the Ethmoid Sinus—Kim, S-S, Lee, J-G, et al ...	424
<b>Ethmoidal Canal, Anterior</b>	
Surgical Anatomy of the Anterior Ethmoidal Canal in Ethmoid Roof—Moon, H-J, Kim, H-U, et al .....	900
<b>Eustachian Tube</b>	
Can Eustachian Tube Ventilatory Function Impairment After Oxygen Diving Be Influenced by Application of Free Radical Scavenger Vitamins C and E?—Mutzbauer, TS, Neubauer, B, et al .....	861
Relationship Between Dental Overbite and Eustachian Tube Dysfunction—McDonnell, JP, Needleman, HL, et al .....	310
<b>Evans Blue Dye Procedure</b>	
Simultaneous Modified Evans Blue Dye Procedure and Video Nasal Endoscopic Evaluation of the Swallow—Donzelli, J, Brady, S, et al .....	1746
<b>Expanded Polytetrafluoroethylene (ePTFE)</b>	
Complications of Static Facial Suspensions With Expanded Polytetrafluoroethylene (ePTFE)—Constantinides, M, Galli, SKD, et al .....	2114
<b>Extensive Jugular Foramen Tumors</b>	
Hearing Preservation Technique for the Resection of Extensive	

Jugular Foramen Tumors—Kim, CJ, Yoo, SJ, et al .....	2071
<b>External and Endoscopic Frontal Sinusotomy</b>	
Combined External and Endoscopic Frontal Sinusotomy With Stent Placement: A Retrospective Review—Benoit, CM, Duncavage, JA .....	1246
<b>External Auditory Canal</b>	
Microbiology of Normal External Auditory Canal—Stroman, DW, Roland, PS, et al .....	2054
<b>External Ear</b>	
Teaching Case: A Large Arteriovenous Malformation of the External Ear in an Adult: Report of a Case and Approach to Management—Pham, TH, Wong, BJF, et al .....	1390
Two-Step External Ear Canal Construction in Atresia as Part of Auricular Reconstruction—Siegert, R, Weerda, H .....	708
<b>External Osteotomy</b>	
External Osteotomy in Rhinoplasty—Giacomarra, V, Russolo, M, et al .....	433
<b>External-Beam Irradiation</b>	
Base-of-Tongue Cancer: Survival, Function, and Quality of Life After External-Beam Irradiation and Brachytherapy—Robertson, ML, Gleich, LL, et al .....	1362
<b>Eyelid, Paralyzed</b>	
Early Versus Late Gold Weight Implantation for Rehabilitation of the Paralyzed Eyelid—Snyder, MC, Johnson, PJ, et al .....	2109

## F

### Face Scale

Validation of a Patient-Graded Instrument for Facial Nerve Paralysis: The FaCE Scale—Kahn, JB, Gliklich, RE, et al ...	387
--	-----

### Facial Bone Reconstruction

Candidate's Thesis: Osseous Tissue Engineering With Gene Therapy for Facial Bone Reconstruction—Lindsey, WH .....	1128
---	------

### Facial Nerve

Facial Nerve Monitoring in Middle Ear and Mastoid Surgery—Noss, RS, Lalwani, AK, et al .....	831
--	-----

### Facial Nerve, Rabbit

Inhibition of Motor Nerve Regeneration in a Rabbit Facial Nerve Model—Yian, CH, Paniello, RC, et al .....	786
---	-----

### Facial Nerve Neuroma

Intratemporal Facial Nerve Neuroma: Anatomical Location and Radiological Features—Kertesz, TR, Shelton, C, et al .....	1250
--	------

### Facial Nerve Paralysis

Validation of a Patient-Graded Instrument for Facial Nerve Paralysis: The FaCE Scale—Kahn, JB, Gliklich, RE, et al ...	387
--	-----

### Facial Pain

Endoscopy-Negative, Computed Tomography-Negative Facial Pain in a Nasal Clinic—West, B, Jones, NS .....	581
---	-----

### Facial Palsy

Western Blot Analysis for Diagnosis of Lyme Disease in Acute Facial Palsy—Furuta, Y, Kawabata, H, et al .....	719
---	-----

### Facial Plastic Surgery

Resorbable Fixation in Facial Plastic and Head and Neck Reconstructive Surgery: An Initial Report on Poly(lactic Acid) Implants—Moe, KS, Weisman, RA .....	1697
--	------

### Facial Purpura

Facial Purpura—Goldman, AC, Govindaraj, S, et al .....	207
--	-----

### Facial Suspensions, Static

Complications of Static Facial Suspensions With Expanded Polytetrafluoroethylene (ePTFE)—Constantinides, M, Galli, SKD, et al .....	2114
---	------

### Fall Risks

Predicting Fall Risks in an Elderly Population: Computer Dynamic Posturography Versus Electronystagmography Test Results—Girardi, M, Konrad, HR, et al .....	1528
--	------

### Fascia

Autologous Transplantation of Fascia Into the Vocal Fold: Long-Term Results of a New Phonosurgical Technique for Glottal Incompetence—Tsunoda, K, Baer, T, et al .....	453
Fascia Augmentation of the Vocal Fold: Graft Yield in the Canine and Preliminary Clinical Experience—Duke, SG, Salmon, J, et al .....	759
Histology of Injected Autologous Fascia in the Paralyzed Canine Vocal Fold—Reijonen, P, Leivo, I, et al .....	1068
Hypopharyngeal Reconstruction Using Pectoralis Major Myocutaneous Flap and Pre-Vertebral Fascia—Spriano, G, Piantanida, R, et al .....	544

### Fasciocutaneous Flap

Effect of Anemia on the Fasciocutaneous Flap Survival in a Rat Model—Desyatnikova, S, Winslow, C, et al .....	572
Prospective Comparison of Scalpel Versus Bipolar Scissors in the Elevation of Radial Forearm Fasciocutaneous Free Flaps—Wax,	

MK, Winslow, C, et al .....	568
-----------------------------	-----

### Female Athletes

Treatment for Vocal Cord Dysfunction in Female Athletes: An Outcome Study—Sullivan, MD, Heywood, BM, et al .....	1751
--	------

### Female Patients

Preoperative Differences Between Male and Female Patients With Sleep Apnea—Walker, RP, Durazo-Arvizu, R, et al .....	1501
--	------

### Fibers, Elastic

A Morphological Study of Age Changes in Adult Human Auricular Cartilage With Special Emphasis on Elastic Fibers—Ito, I, Imada, M, et al .....	881
---	-----

### Fibrin Glue

Relief of Post-Tonsillectomy Pain by Release of Lidocaine From Fibrin Glue—Kitajiri, S-i, Tabuchi, K, et al .....	642
---	-----

### Fibrin Sealant

Autologous Fibrin Sealant Reduces Pain After Tonsillectomy—Gross, CW, Gallagher, R, et al .....	259
---	-----

### Fine-Needle Aspiration Biopsy

Clinical State of the Art Review: Fine-Needle Aspiration Biopsy—Amedee, RG, Dhurandhar, NR .....	1551
Magnetic Resonance Imaging-Guided Fine-Needle Aspiration Biopsies of Retropharyngeal Lesions—Maghami, EG, Bonyadlou, S, et al .....	2218

### Fine-Needle Aspiration Cytology

Value of Fine-Needle Aspiration Cytology of Parotid Gland Masses—Zbaren, P, Schär, C, et al .....	1989
---	------

### Fine-Wire Electromyography

Study of Laryngeal Muscle Activity in Normal Human Subjects and in Patients With Laryngeal Dystonia Using Multiple Fine-Wire Electromyography—Hillel, AD .....	Supplement No. 97
--	-------------------

### Fistula, Labyrinthine

Teaching Case: Labyrinthine Fistula: An Unreported Complication of the Grote Prosthesis—Gadre, AK, Hammerschlag, PE .....	796
Virtual Endoscopic Evaluation of Labyrinthine Fistulae Resulting From Cholesteatoma—Briggs, RD, Vrabec, JT, et al .....	1828

### Fistula, Pharyngocutaneous

Prosthetic Management of Pharyngocutaneous Fistula by Means of a Salivary Conduit—Zaki, HS, Kharchaf, M, et al .....	548
--	-----

### Fistula, Preauricular

Extirpation of Ruptured Preauricular Fistula—Shu, M-T, Lin, H-C .....	924
---	-----

### Fistula, Tracheoesophageal

Prosthetic Obturation of Tracheoesophageal Fistula—Zaki, HS, Studer, SP, et al .....	359
--	-----

### Fixation, Mandible Fractures

Immediate Mobilization Following Fixation of Mandible Fractures: A Prospective, Randomized Study—Kaplan, BA, Hoard, MA, et al ..	1520
--	------

### Fixation, Resorbable

Resorbable Fixation in Facial Plastic and Head and Neck Reconstructive Surgery: An Initial Report on Poly(lactic Acid) Implants—Moe, KS, Weisman, RA .....	1697
--	------

### Flap, Abbé

Anatomical Basis of the Abbé Flap—Schulte, DL, Sherris, DA, et al .....	382
---	-----

### Flap, Fasciocutaneous

Effect of Anemia on the Fasciocutaneous Flap Survival in a Rat Model—Desyatnikova, S, Winslow, C, et al .....	572
---	-----

### Flap, Free; see Free Flaps Flap, Frontal Osteoplastic

Management of Cranial Defects After Frontal Osteoplastic Flap—Rubinstein, B, Strong, EB .....	541
---	-----

### Flap, Pectoralis Major Myocutaneous

Hypopharyngeal Reconstruction Using Pectoralis Major Myocutaneous Flap and Pre-Vertebral Fascia—Spriano, G, Piantanida, R, et al .....	544
--	-----

### Flap, Sternocleidomastoid

Reconstruction of Pharyngeal Defects Using AlloDerm and Sternocleidomastoid Muscle Flap—Sinha, UK, Chang, KE, et al .....	1910
Sternocleidomastoid Flap—Its Indications and Limitations—Kierner, AC, Zelenka, I, et al .....	2201

### Flap Reconstruction

Role of Topical Antibiotic Prophylaxis in Patients Undergoing Contaminated Head and Neck Surgery With Flap Reconstruction—Simons, JP, Johnson, JT, et al .....	329
--	-----

### Fluctuating Sensorineural Hearing Loss

Pediatric Fluctuating Sensorineural Hearing Loss: Problems in Medical Management—Dinces, EA, Yang, S, et al .....	21
---	----

### Foramen, Infraorbital

Certain Anatomical Relations and the Precise Morphometry of the Infraorbital Foramen—Canal and Groove: An Anatomical and Cephalometric Study—Kazkayasi, M, Ergin, A, et al .....	609
--	-----

### Forearm Free Flaps



Prospective Comparison of Scalpel Versus Bipolar Scissors in the Elevation of Radial Forearm Fasciocutaneous Free Flaps—Wax, MK, Winslow, C, et al .....	568
Radial Forearm Free Flap Pharyngoesophageal Reconstruction—Azizzadeh, B, Yafai, S, et al .....	807
<b>Foreign Bodies of Ear</b>	
Insecticidal Activity of Common Reagents for Insect Foreign Bodies of the Ear—Antonelli, PJ, Ahmadi, A, et al .....	15
<b>Fossa, Infratemporal</b>	
Endoscopic Evaluation of the Infratemporal Fossa—Hartnick, CJ, Lacy, PD, et al .....	353
<b>Fossa, Middle</b>	
Three-Dimensional Image for the Middle Fossa Approach and Its Anatomical Considerations—Tsunoda, A, Komatsuzaki, A, et al ..	1048
<b>Fractures, Mandible; see Mandible Fractures Fragile Histidine Triad Gene</b>	
Mutation and Abnormal Expression of the Fragile Histidine Triad Gene in Nasopharyngeal Carcinoma—Deng, Y-F, Tian, F, et al ..	1589
<b>Free Flaps</b>	
Prospective Comparison of Scalpel Versus Bipolar Scissors in the Elevation of Radial Forearm Fasciocutaneous Free Flaps—Wax, MK, Winslow, C, et al .....	568
Radial Forearm Free Flap Pharyngoesophageal Reconstruction—Azizzadeh, B, Yafai, S, et al .....	807
<b>Free Radicals</b>	
Can Eustachian Tube Ventilatory Function Impairment After Oxygen Diving Be Influenced by Application of Free Radical Scavenger Vitamins C and E?—Mutzbauer, TS, Neubauer, B, et al .....	861
Free Radical Production by Antibiotic-Killed Bacteria in the Guinea Pig Middle Ear—Takoudes, TG, Haddad, J, Jr. ....	283
<b>Free Tissue Reconstruction</b>	
Free Tissue Reconstruction of the Hypopharynx After Organ Preservation Therapy: Analysis of Wound Complications—Teknos, TN, Myers, LL, et al .....	1192
<b>Free Tissue Transfer</b>	
Use of Palatal Island Flaps as an Adjunct to Microvascular Free Tissue Transfer for Reconstruction of Complex Oromandibular Defects—Ducic, Y, Herford, AS .....	1666
<b>Frey's Syndrome</b>	
Use of Acellular Dermis in the Prevention of Frey's Syndrome—Govindaraj, S, Cohen, M, et al .....	1993
<b>Frontal Cephalometry</b>	
Frontal and Lateral Cephalometry in Patients With Sleep-Disordered Breathing—Finkelstein, Y, Wexler, D, et al .....	634
<b>Frontal Osteoplastic Flap</b>	
Management of Cranial Defects After Frontal Osteoplastic Flap—Rubinstein, B, Strong, EB .....	541
<b>Frontal Sinus Surgery</b>	
Modern Concepts of Frontal Sinus Surgery—Weber, R, Draf, W, et al .....	137
Rhino-Frontal Sinuseptomy (RFS): A Combined Intra-Extra Nasal Approach for the Surgical Treatment of Severely Diseased Frontal Sinuses—Stennett, E .....	1237
<b>Frontal Sinusitis</b>	
Microbiology of Chronic Frontal Sinusitis—Schlosser, RJ, London, SD, et al .....	1330
<b>Frontal Sinusotomy</b>	
Combined External and Endoscopic Frontal Sinusotomy With Stent Placement: A Retrospective Review—Benoit, CM, Duncavage, JA .....	1246
<b>Frontolateral Laryngectomy</b>	
Partial Frontolateral Laryngectomy With Epiglottic Reconstruction for Management of Early-Stage Glottic Carcinoma—Giovanni, A, Guelfucci, B, et al .....	663
<b>Functional Dysphonia</b>	
Clinical Features of Functional Dysphonia—Sama, A, Carding, PN, et al .....	458
<b>Functional Magnetic Resonance Imaging</b>	
Functional Magnetic Resonance Imaging of the Pediatric Swallow: Imaging the Cortex and the Brainstem—Hartnick, CJ, Rudolph, C, et al .....	1183
<b>Fungal Rhinosinusitis, Allergic</b>	
Clinical State of the Art Review: Allergic Fungal Rhinosinusitis: Current Theories and Management Strategies—Marple, BF .....	1006
<b>Fungal Sinusitis</b>	
Bilateral Lateral Rhinotomy Incisions for Medial Maxillectomies in the Management of Pediatric Invasive Fungal Sinusitis—Malhotra, PS, Danahey, D, et al .....	1960
<b>Fungi</b>	

Detection of Fungi in the Nasal Mucosa Using Polymerase Chain Reaction—Catten, MD, Murr, AH, et al .....	399
--	-----

## G

### Galectin-1

Levels of Expression of Galectin-3, But Not of Galectin-1 and Galectin-8, Correlate With Apoptosis in Human Cholesteatomas—Sheikholeslam-Zadeh, R, Decaestecker, C, et al .....	1042
---	------

### Galectin-3

Detection of Macrophage Migration Inhibitory Factor (MIF) in Human Cholesteatomas and Functional Implications of Correlations to Recurrence Status and to Expression of Matrix Metalloproteinases-3/9, Retinoic Acid Receptor- $\beta$ , and Anti-Apoptotic Galectin-3—Choufani, G, Ghanoun, R, et al .....	1656
Levels of Expression of Galectin-3, But Not of Galectin-1 and Galectin-8, Correlate With Apoptosis in Human Cholesteatomas—Sheikholeslam-Zadeh, R, Decaestecker, C, et al .....	1042

### Galectin-8

Levels of Expression of Galectin-3, But Not of Galectin-1 and Galectin-8, Correlate With Apoptosis in Human Cholesteatomas—Sheikholeslam-Zadeh, R, Decaestecker, C, et al .....	1042
---	------

### Gamma Probe

Intraoperative Gamma Probe Localization of Parathyroid Adenomas—Sullivan, DP, Scharf, SC, et al .....	912
---	-----

### Gastroesophageal Reflux

Gastroesophageal Reflux and Obstructive Sleep Apnea—Senior, BA, Khan, M, et al .....	2144
--	------

### Gastroesophageal Reflux Disease (GERD)

Laryngospasm: An Atypical Manifestation of Severe Gastroesophageal Reflux Disease (GERD)—Maceri, DR, Zim, S ..	1976
--	------

### Gastroesophago-Pharyngeal Reflux

Symptoms, Laryngeal Findings, and 24-Hour pH Monitoring in Patients With Suspected Gastroesophago-Pharyngeal Reflux—Ylitalo, R, Lindstad, P-A, et al .....	1735
--	------

### Gastrostomy, Percutaneous Endoscopic

Percutaneous Endoscopic Gastrostomy: Strategies for Prevention and Management of Complications—Lin, H-S, Ibrahim, HZ, et al ....	1847
--	------

### Gender

Frequency and Localization of the Putative Vomeroneasal Organ in Humans in Relation to Age and Gender—Knecht, M, Kühnau, D, et al .....	448
Gender-Related Differences of Hyaluronic Acid Distribution in the Human Vocal Fold—Butler, JE, Hammond, TH, et al .....	907

### Gene Therapy

Candidate's Thesis: Osseous Tissue Engineering With Gene Therapy for Facial Bone Reconstruction—Lindsey, WH .....	1128
Combination Nonviral Cytokine Gene Therapy for Head and Neck Cancer—Li, D, Zeiders, JW, et al .....	815
Granulocyte-Macrophage Colony-Stimulating Factor in a Combination Gene Therapy Strategy for Head and Neck Cancer—Day, KV, Li, D, et al .....	801

### Gene Transfer

Adenovirus Calcium Phosphate Coprecipitates Enhance Squamous Cell Carcinoma Gene Transfer—Yi, SMP, Lee, JH, et al ....	1290
All-trans-retinoic Acid Enhances the Effect of Adenovirus-Mediated Wild-Type p53 Gene Transfer in Head and Neck Squamous Cell Carcinoma—Nakashima, T, Sun, S-Y, et al .....	1459

### Genetic Alterations

Variability of Genetic Alterations in Different Sites of Head and Neck Cancer—Rodrigo, JP, Suarez, C, et al .....	1297
---	------

### Genetic Counseling

Genetic Testing and Genetic Counseling for Deafness: The Future is Here—Brunker, JW, Matthews, AI, et al .....	715
--	-----

### Genetic Testing

Genetic Testing and Genetic Counseling for Deafness: The Future is Here—Brunker, JW, Matthews, AI, et al .....	715
--	-----

### Gentamicin

Candidate's Thesis: Transtympanic Versus Sustained-Release Administration of Gentamicin: Kinetics, Morphology, and Function—Hoffer, ME, Allen, K, et al .....	1343
---	------

### Gerbil Model

Expression of Apoptosis-Related Proteins in the Aged Cochlea of Mongolian Gerbils—Alam, SA, Oshima, T, et al .....	528
--	-----

### GERD; see Gastroesophageal Reflux Disease Giant Ethmoid Osteoma

Giant Ethmoid Osteoma With Orbital Extension, a Nasoendoscopic	
--	--

Approach Using an Intranasal Drill—Huang, H-M, Liu, C-M, et al .....	430
<b>Glasgow Benefit Inventory</b>	
Bone-Anchored Hearing Aid Quality of Life Assessed by Glasgow Benefit Inventory—Arunachalam, PS, Kilby, D, et al .....	1260
<b>Glottal Incompetence</b>	
Autologous Transplantation of Fascia Into the Vocal Fold: Long-Term Results of a New Phonosurgical Technique for Glottal Incompetence—Tsunoda, K, Baer, T, et al .....	453
<b>Glottic Cancer</b>	
Phonosurgical Reconstruction of Early Glottic Cancer—Zeitels, SM, Jarboe, J, et al .....	1862
<b>Glottic Carcinoma</b>	
Microinvasive Nd:YAG Laser Therapy of Early Glottic Carcinoma and Its Effect on Soluble Interleukin-2 Receptor, Interleukin-2, and Natural Killer Cells—Lai, J-P, Tao, Z-D, et al .....	1585
Partial Frontolateral Laryngectomy With Epiglottic Reconstruction for Management of Early-Stage Glottic Carcinoma—Giovanni, A, Guelfucci, B, et al .....	663
<b>Glottic Compartment</b>	
Acute Laryngotracheitis in the Rat Induced by Sendai Virus: The Influx of Six Different Types of Immunocompetent Cells Into the Laryngeal Mucosa Differs Strongly Between the Subglottic and the Glottic Compartment—Jecker, P, McWilliam, A, et al ..	1645
<b>Glucose</b>	
Enhancement of Delta Aminolevulinic Acid-Photodynamic Therapy in vivo by Decreasing Tumor pH With Glucose and Amiloride—Piot, B, Rousset, N, et al .....	2205
<b>Glue, Fibrin</b>	
Relief of Post-Tonsillectomy Pain by Release of Lidocaine From Fibrin Glue—Kitajiri, S-i, Tabuchi, K, et al .....	642
<b>Glutathione</b>	
Management of Chronic Otitis Media With Effusion: The Role of Glutathione—Testa, B, Testa, D, et al .....	1486
<b>Glycerol Testing</b>	
Distortion-Product Otoacoustic Emissions and Glycerol Testing in Endolymphatic Hydrops—Magliulo, G, Cianfrone, G, et al ...	102
<b>Gold Weight Implantation</b>	
Early Versus Late Gold Weight Implantation for Rehabilitation of the Paralyzed Eyelid—Snyder, MC, Johnson, PJ, et al .....	2109
<b>Goldstein, Max</b>	
Invited Presidential Lecture: Max Goldstein, MD: His Continuing Influences on Our Specialty—Bailey, BJ .....	1675
<b>Graft, Buccal Mucosa</b>	
Use of Buccal Mucosa Graft at Posterior Cricoid Splitting for Subglottic Stenosis Repair—Thomé, R, Thomé, DC, et al ...	2191
<b>Graft, Olfactory Epithelium</b>	
Olfactory Epithelium Grafts in the Cerebral Cortex: An Immunohistochemical Analysis—Holbrook, EH, DiNardo, LJ, et al .....	1964
<b>Granisetron</b>	
Prevention of Vomiting After Tonsillectomy in Children: Granisetron Versus Ramosetron—Fujii, Y, Saitoh, Y, et al .....	255
<b>Granulocyte-Macrophage Colony-Stimulating Factor</b>	
Granulocyte-Macrophage Colony-Stimulating Factor in a Combination Gene Therapy Strategy for Head and Neck Cancer—Day, KV, Li, D, et al .....	801
<b>Grote Prosthesis</b>	
Teaching Case: Labyrinthine Fistula: An Unreported Complication of the Grote Prosthesis—Gadre, AK, Hammerschlag, PE .....	796
<b>Growth Factors</b>	
Growth Factors Influence Growth and Differentiation of the Middle Ear Mucosa—Palacios, SD, Oehl, HJ, et al .....	874
<b>Guinea Pig Model</b>	
Free Radical Production by Antibiotic-Killed Bacteria in the Guinea Pig Middle Ear—Takoudes, TG, Haddad, J, Jr. ....	283
<b>Guitarist Eddie Lang</b>	
Historical Vignette: Jazz and Otolaryngology: The Death of Guitarist Eddie Lang—Mandell, DL .....	1980

## H

### Hair Cells

Candidate's Thesis: L-N-Acetyl-Cysteine Protection Against Cisplatin-Induced Auditory Neuronal and Hair Cell Toxicity—Feghali, JG, Liu, W, et al .....	1147
Determination of Ototoxicity of Common Otis Drops Using Isolated Cochlear Outer Hair Cells—Jinn, TH, Kim, PD, et al .....	2105

### Hamster Model

Cancer Induction in the DMBA Hamster Cheek Pouch: A Modified Technique Using a Promoter—Wani, MK, Yarber, RH, et al .....	204
---	-----

### Head and Neck, Congenital Lymphatic Malformation in

Sclerotherapy With Picibanil (OK-432) for Congenital Lymphatic Malformation in the Head and Neck—Sung, M-W, Lee, D-W, et al .....	1430
---	------

### Head and Neck Cancer

Candidate's Thesis: Antisense Cyclic D1 Enhances Sensitivity to Head and Neck Cancer Cells to Cisplatin—Wang, MB, Yip, HT, et al .....	982
Combination Nonviral Cytokine Gene Therapy for Head and Neck Cancer—Li, D, Zeiders, JW, et al .....	815
Electroporation Therapy for Head and Neck Cancer Including Carotid Artery Involvement—Allegretti, JP, Panje, WR .....	52
Granulocyte-Macrophage Colony-Stimulating Factor in a Combination Gene Therapy Strategy for Head and Neck Cancer—Day, KV, Li, D, et al .....	801
Is It Time to Develop an 'Ultrastaging System' for Use in Patients With Head and Neck Malignancies?—Ferlito, A, Devaney, KO, et al .....	185
Occurrence of Sleep-Disordered Breathing Among Patients With Head and Neck Cancer—Friedman, M, Landsberg, R, et al .....	1917
Overexpression of p53-Related Proteins Predicts Rapid Growth Rate of Head and Neck Cancer—Edström, S, Cvetkovska, E, et al .....	124
Prospective Study of Quality of Life in Head and Neck Cancer Patients. Part II: Longitudinal Data—Björdal, K, Ahlner-Elmqvist, M, et al .....	1440
A Prospective Study of Quality of Life in Head and Neck Cancer Patients. Part I: At Diagnosis—Hammerlid, E, Björdal, K, et al ..	669
Variability of Genetic Alterations in Different Sites of Head and Neck Cancer—Rodrigo, JP, Suarez, C, et al .....	1297

### Head and Neck Hodgkin's and Non-Hodgkin's Lymphoma

Hodgkin's and Non-Hodgkin's Lymphoma of the Head and Neck—Urquhart, A, Berg, R .....	1565
--	------

### Head and Neck Infections

Mycobacterial Infection of the Head and Neck: Presentation and Diagnosis—Al-Serhani, AM .....	2012
---	------

### Head and Neck Lesions

Chromosomal Aneuploidy Precedes Morphological Changes and Supports Multifocality in Head and Neck Lesions—Ai, H, Barrera, JE, et al .....	1853
---	------

### Head and Neck Melanoma

Clinical State of the Art Review: Melanoma of the Head and Neck: Current Concepts in Diagnosis and Management—Lentsch, EJ, Myers, JN .....	1209
Use of Low-Dose Technetium Tc 99m Sulfur Colloid to Locate Sentinel Lymph Nodes in Melanoma of the Head and Neck: Preliminary Study—Rasgon, BM .....	1366

### Head and Neck Nonmelanomatous Skin Tumors

Photofrin-Mediated Photodynamic Therapy for Treatment of Aggressive Head and Neck Nonmelanomatous Skin Tumors in Elderly Patients—Schweitzer, VG .....	1091
--	------

### Head and Neck Nontuberculous Mycobacterial Adenitis

Nontuberculous Mycobacterial Adenitis of the Head and Neck in Children: Experience From a Tertiary Care Pediatric Center—Rahal, A, Abela, A, et al .....	1791
--	------

### Head and Neck Oncologic Surgery

Temporalis Muscle Flap for Reconstruction After Head and Neck Oncologic Surgery—Hanasono, MM, Utley, DS, et al .....	1719
--	------

### Head and Neck Reconstruction

Resorbable Fixation in Facial Plastic and Head and Neck Reconstructive Surgery: An Initial Report on Polyactic Acid Implants—Moe, KS, Weisman, RA .....	1697
---	------

### Head and Neck Squamous Cell Cancer

Motility-Related Proteins as Markers for Head and Neck Squamous Cell Cancer—Abraham, MT, Kuriakose, A, et al .....	1285
--	------

### Head and Neck Squamous Cell Carcinoma

All-trans-retinoic Acid Enhances the Effect of Adenovirus-Mediated Wild-Type p53 Gene Transfer in Head and Neck Squamous Cell Carcinoma—Nakashima, T, Sun, S-Y, et al .....	1459
Candidate's Thesis: p53 and Ki-67 as Outcome Predictors for Advanced Squamous Cell Cancers of the Head and Neck Treated With Chemoradiotherapy—Lavertu, P, Adelstein, DJ .....	1878
Dean Lierle Residents Award: The Role of Copper Suppression as an Antiangiogenic Strategy in Head and Neck Squamous Cell Carcinoma—Cox, C, Teknos, TN, et al .....	696
Nitric Oxide Improves Cisplatin Cytotoxicity in Head and Neck Squamous Cell Carcinoma—Azizzadeh, B, Yip, HT, et al ...	1896
Prevalence of Occult Carotid Artery Stenosis in Patients With Head and Neck Squamous Cell Carcinoma—Cote, CT, Goff, J, et al ....	2214
Spectral Karyotyping Analysis of Head and Neck Squamous Cell	

Carcinoma—Singh, B, Gogineni, S, et al .....	1545
Vascular Endothelial Growth Factor Receptor 2 (VEGFR2) Expression in Squamous Cell Carcinomas of the Head and Neck—Neuchrist, C, Erovic, BM, et al .....	1834
<b>Head and Neck Surgery</b>	
Candidate's Thesis: Electrosurgery in Otolaryngology—Head and Neck Surgery: Principles, Advances, and Complications—Smith, TL, Smith, JM .....	769
Learning Curve for Translaryngeal Tracheotomy in Head and Neck Surgery—Giugliano, G, Venturino, M, et al .....	628
Role of Topical Antibiotic Prophylaxis in Patients Undergoing Contaminated Head and Neck Surgery With Flap Reconstruction—Simons, JP, Johnson, JT, et al .....	329
Temporalis Muscle Flap for Reconstruction After Head and Neck Oncologic Surgery—Hanasono, MM, Utley, DS, et al .....	1719
<b>Head and Neck Tumors</b>	
Cervicofacial Rhytidectomy After Head and Neck Tumor Removal—Lee, JH, Sherris, DA .....	1702
Photofrin-Mediated Photodynamic Therapy for Treatment of Aggressive Head and Neck Nonmelanomatous Skin Tumors in Elderly Patients—Schweitzer, VG .....	1091
Vocal Function Following Radiation for Non-Laryngeal Versus Laryngeal Tumors of the Head and Neck—Fung, K, Yoo, J, et al .....	1920
<b>Hearing Aid</b>	
Bone-Anchored Hearing Aid Quality of Life Assessed by Glasgow Benefit Inventory—Arunachalam, PS, Kilby, D, et al .....	1260
Early Clinical Results: SOUNDTEC Implantable Hearing Device Phase II Study—Hough, JVD, Dyer, RK, et al .....	1
Results of the Bone-Anchored Hearing Aid in Unilateral Hearing Loss—Wazen, JJ, Spitzer, J, et al .....	955
Verification of Improved Patient Outcomes With a Partially Implantable Hearing Aid, The SOUNDTEC Direct Hearing System—Roland, PS, Shoup, AG, et al .....	1682
<b>Hearing Loss</b>	
Autoimmune Sensorineural Hearing Loss in Young Patients: An Exploratory Study—Tomasi, J-P, Lona, A, et al .....	2050
Candidate's Thesis: Delayed, Reversible Hearing Loss Caused by Difluoromethylornithine (DFMO)—Doyle, KJ .....	781
Decreased Cochlear DNA Receptor Staining in MRL MpJ-Fas <sup>lpr</sup> Autoimmune Mice With Hearing Loss—Kaylie, DM, Hefeneider, SH, et al .....	1275
Outcomes and Patient-Based Hearing Status in Conductive Hearing Loss—Stewart, MG .....	Supplement No. 98
Pediatric Fluctuating Sensorineural Hearing Loss: Problems in Medical Management—Dinces, EA, Yang, S, et al .....	21
Progressive Sensorineural Hearing Loss in Children With Mitochondrial Encephalomyopathies—Zwirner, P, Wilichowski, E .....	515
Results of the Bone-Anchored Hearing Aid in Unilateral Hearing Loss—Wazen, JJ, Spitzer, J, et al .....	955
<b>Hearing Preservation Technique</b>	
Hearing Preservation Technique for the Resection of Extensive Jugular Foramen Tumors—Kim, CJ, Yoo, SJ, et al .....	2071
<b>Hearing Status</b>	
Outcomes and Patient-Based Hearing Status in Conductive Hearing Loss—Stewart, MG .....	Supplement No. 98
<b>Helicobacter pylori</b>	
Investigation of <i>Helicobacter pylori</i> Colonization in Adenotonsillectomy Specimens By Means of the CLO Test—Unver, S, Kubilay, U, et al .....	2183
<b>Helium-Oxygen Mixtures</b>	
Use of Helium-Oxygen Mixtures to Relieve Upper Airway Obstruction in a Pediatric Population—Grosz, AH, Jacobs, IN, et al .....	1512
<b>Hemorrhage</b>	
Management of Acute Pulmonary Hemorrhage in Children—Sidman, JD, Wheeler, WB, et al .....	33
Tonsillectomy With Argon Plasma Coagulation (APC): Evaluation of Pain and Hemorrhage—Bergler, W, Huber, K, et al .....	1423
<b>Heritable Paraganglioma</b>	
Proportion of Heritable Paraganglioma Cases and Associated Clinical Characteristics—Drovdic, CM, Myers, EN, et al .....	1822
<b>High-Frequency Pseudo-Random Rotational Chair Testing</b>	
Does High-Frequency Pseudo-Random Rotational Chair Testing Increase the Diagnostic Yield of the ENG Caloric Test in Detecting Bilateral Vestibular Loss in the Dizzy Patient?—Kaplan, DM, Marais, J, et al .....	959
<b>Histidine Triad Gene</b>	
Mutation and Abnormal Expression of the Fragile Histidine Triad Gene in Nasopharyngeal Carcinoma—Deng, Y-F, Tian, F, et al ..	1589
<b>Histology</b>	
Histologic Analysis of Three-Dimensional Versus Two-Dimensional Tissue Expansion in the Porcine Model—Alex, JC, Bhattacharyya, TK, et al .....	36
Histological Characterization of the Thyroglossal Tract: Implications for Surgical Management—Chandra, RK, Maddalozzo, J, et al ...	1002
Histology of Injected Autologous Fascia in the Paralyzed Canine Vocal Fold—Reijonen, P, Leivo, I, et al .....	1068
Nucleus Contour Electrode Array: A Radiological and Histological Study—Richter, B, Aschendorff, A, et al .....	508
<b>Histopathology</b>	
Evaluation of the Utility and Cost-Effectiveness of Obtaining Histopathologic Diagnosis on All Routine Tonsillectomy Specimens—Younis, RT, Hesse, SV, et al .....	2166
Histopathological Changes of Chorda Tympani in Chronic Otitis Media—Gedikli, O, Dogru, H, et al .....	724
Histopathology of Pleomorphic Adenoma in the Parotid Gland: A Prospective Unselected Series of 100 Cases—Stennert, E, Guntinas-Lichius, O, et al .....	2195
<b>Historical Vignette</b>	
Historical Vignette: Jazz and Otolaryngology: The Death of Guitarist Eddie Lang—Mandell, DL .....	1980
<b>Hodgkin's Lymphoma</b>	
Hodgkin's and Non-Hodgkin's Lymphoma of the Head and Neck—Urquhart, A, Berg, R .....	1565
<b>Homologous Collagen Substances</b>	
Candidate's Thesis: Homologous Collagen Substances for Vocal Fold Augmentation—Courcy, MS .....	747
<b>Hospital, Teaching</b>	
Improving the Otolaryngology Consultation Service in a Teaching Hospital—Carr, MM .....	1166
<b>How I Do It</b>	
Effective, Inexpensive, Temporary Surgical Obturator Following Maxillectomy—Ducic, Y .....	356
Endoscopic Evaluation of the Infratemporal Fossa—Hartnick, CJ, Lacy, PD, et al .....	353
Endoscopic Evaluation of the Infratemporal Fossa—Hartnick, CJ, Lacy, PD, et al .....	353
Extirpation of Ruptured Preauricular Fistula—Shu, M-T, Lin, H-C .....	924
Failsafe Technique for Endoscopic Tracheoesophageal Puncture—Koch, WM .....	1663
Hypopharyngeal Reconstruction Using Pectoralis Major Myocutaneous Flap and Pre-Vertebral Fascia—Spriano, G, Piantanida, R, et al .....	544
Management of Cranial Defects After Frontal Osteoplastic Flap—Rubinstein, B, Strong, EB .....	541
Medial Canthal Ligament Reattachment in Skull Base Surgery and Trauma—Ducic, Y .....	734
Modified Lothrop Procedure: Lessons Learned—Gross, CW, Schlosser, RJ .....	1302
New Endoscopic Surgical Method for Unilateral Choanal Atresia—Liktov, B, Csokonai, LV, et al .....	364
New Technique for the Insertion of a Silastic Button for Septal Perforations—Kelly, G, Lee, P .....	539
Phonosurgical Reconstruction of Early Glottic Cancer—Zeitels, SM, Jarboe, J, et al .....	1862
Powered Instrument Papilloma Excision: An Alternative to Laser Therapy for Recurrent Respiratory Papilloma—Parsons, DS, Bothwell, MR .....	1494
Prosthetic Management of Pharyngocutaneous Fistula by Means of a Salivary Conduit—Zaki, HS, Kharchaf, M, et al .....	548
Prosthetic Obturation of Tracheoesophageal Fistula—Zaki, HS, Studer, SP, et al .....	359
Radiofrequency Ablation of Lymphangiomatous Macroglossia—Cable, BB, Mair, EA .....	1859
Recurrent Laryngeal Nerve Monitoring by Cricopharyngeus Contraction—Sasaki, CT, Mitra, S .....	738
Saddle Blanket Graft Tympanoplasty and Lateral Attic Wall Reconstruction for Defects Produced by Primary Acquired Cholesteatoma—Luetje, CM .....	1497
Sellar Reconstruction After Endoscopic Transnasal Hypophysectomy—Nakagawa, T, Asada, M, et al .....	2077
Simplified Method of Micro-Injecting Vasoconstricting Solution Into the Vocal Cord—Bentsianov, BL, Har-El, G .....	1111
Three-Dimensional Alloplastic Orbital Reconstruction in Skull Base Surgery—Ducic, Y .....	1306
Use of Palatal Island Flaps as an Adjunct to Microvascular Free Tissue Transfer for Reconstruction of Complex Oromandibular Defects—Ducic, Y, Herford, AS .....	1666
Ventilation Silicone T-Shaped Tube Insertion—Lin, C-D, Tan, C-T, et al .....	361
<b>How I Do It. Head and Neck and Plastic Surgery</b>	

Laser Arytenoidectomy for Bilateral Median Vocal Fold Fixation—Sato, K, Umeno, H, et al .....	168
New Turbinoplasty Technique for the Management of Concha Bullosa: Our Short-Term Outcomes—Dogru, H, Tüz, M, et al .....	172
Office Myringoplasty With Alloderm—Saadat, D, Ng, M, et al ...	181
Target-Controlled Infusion in Sleep Endoscopy—Roblin, G, Williams, AR, et al .....	175
<b>How I Do It. Otolaryngology</b>	
Primary Intubation of Cartilage Tympanoplasties—Danner, CJ, Dornhoffer, JL .....	177
<b>Human Papilloma Virus</b>	
Human Papilloma Virus and p53 Expression in Carcinomas Associated With Sinonasal Papillomas: A Danish Epidemiological Study 1980–1998—Buchwald, C, Lindeberg, H, et al .....	1104
<b>Humidification</b>	
Hyperthermic, Supersaturated Humidification in the Treatment of Xerostomia—Criswell, MA, Sinha, CK .....	992
<b>Hyaluronic Acid</b>	
Gender-Related Differences of Hyaluronic Acid Distribution in the Human Vocal Fold—Butler, JE, Hammond, TH, et al .....	907
<b>Hydrops, Endolymphatic; see Endolymphatic Hydrops Hygroma, Cystic</b>	
Cystic Hygroma/Lymphangioma: A Rational Approach to Management—Kennedy, TL, Whitaker, M, et al .....	1929
<b>Hyperthermic Supersaturated Humidification</b>	
Hyperthermic, Supersaturated Humidification in the Treatment of Xerostomia—Criswell, MA, Sinha, CK .....	992
<b>Hypertrophy, Adenotonsillar</b>	
Adenotonsillar Hypertrophy and Epstein-Barr Virus in Pediatric Organ Transplant Recipients—Shapiro, NL, Strocker, AM ..	997
<b>Hypertrophy, Turbinate</b>	
Radiofrequency Is a Safe and Effective Treatment of Turbinate Hypertrophy—Coste, A, Yona, L, et al .....	894
Radiofrequency Treatment of Turbinate Hypertrophy in Subjects Using Continuous Positive Airway Pressure: A Randomized Double-Blind Placebo-Controlled Clinical Pilot Trial—Powell, NB, Zonato, AI, et al .....	1783
<b>Hypopharyngeal Cancer</b>	
Quality of Life After Treatment for Advanced Laryngeal and Hypopharyngeal Cancer—Major, MS, Bumpous, JM, et al ..	1379
<b>Hypopharyngeal Carcinoma</b>	
Significance of Retropharyngeal Node Dissection at Radical Surgery for Carcinoma of the Hypopharynx and Cervical Esophagus—Amatsu, M, Mohri, M, et al .....	1099
<b>Hypopharyngeal Reconstruction</b>	
Hypopharyngeal Reconstruction Using Pectoralis Major Myocutaneous Flap and Pre-Vertebral Fascia—Spriano, G, Piantanida, R, et al .....	544
<b>Hypopharyngeal Squamous Cell Carcinoma</b>	
Delayed Regional Metastases, Distant Metastases, and Second Primary Malignancies in Squamous Cell Carcinomas of the Larynx and Hypopharynx—Spector, JG, Sessions, DG, et al .....	1079
<b>Hypopharynx</b>	
Free Tissue Reconstruction of the Hypopharynx After Organ Preservation Therapy: Analysis of Wound Complications—Teknos, TN, Myers, LL, et al .....	1192
<b>Hypophysectomy, Transnasal</b>	
Sellar Reconstruction After Endoscopic Transnasal Hypophysectomy—Nakagawa, T, Asada, M, et al .....	2077

## I

### Idiopathic Downbeat Nystagmus

Role of Clonazepam in the Treatment of Idiopathic Downbeat Nystagmus—Young, Y-H, Huang, T-W .....	1490
---	------

### Immediate Percutaneous Medialization

Immediate Percutaneous Medialization for Acute Vocal Fold Immobility With Aspiration—Anderson, TD, Mirza, N .....	1318
---	------

### Immobility, Vocal Fold

Immediate Percutaneous Medialization for Acute Vocal Fold Immobility With Aspiration—Anderson, TD, Mirza, N .....	1318
Thyroarytenoid Muscle Maintains Normal Contractile Force in Chronic Vocal Fold Immobility—Johns, MM, Urbancsek, M, et al .....	2152

### Immune Dysfunction

Immune Dysfunction in Refractory Sinusitis in a Tertiary Care Setting—Chee, L, Graham, SM, et al .....	233
--	-----

### Immunity, Mucosal

Mucosal Immunity of the Middle Ear: Analysis at the Single Cell Level—Suenaga, S, Kodama, S, et al .....	290
--	-----

### Immunocompetent Cells

Acute Laryngotracheitis in the Rat Induced by Sendai Virus: The Influx of Six Different Types of Immunocompetent Cells Into the Laryngeal Mucosa Differs Strongly Between the Subglottic and the Glottic Compartment—Jecker, P, McWilliam, A, et al ..	1645
--	------

### Immunohistochemical Analysis

Olfactory Epithelium Grafts in the Cerebral Cortex: An Immunohistochemical Analysis—Holbrook, EH, DiNardo, LJ, et al .....	1964
--	------

### Implantable Hearing Aid

Early Clinical Results: SOUNDTEC Implantable Hearing Device Phase II Study—Hough, JVD, Dyer, RK, et al .....	1
Verification of Improved Patient Outcomes With a Partially Implantable Hearing Aid, The SOUNDTEC Direct Hearing System—Roland, PS, Shoup, AG, et al .....	1682

### Implants, Cochlear; see Cochlear Implants Improved Patient Outcomes

Verification of Improved Patient Outcomes With a Partially Implantable Hearing Aid, The SOUNDTEC Direct Hearing System—Roland, PS, Shoup, AG, et al .....	1682
---	------

### in vivo Model

Enhancement of Delta Aminolevulinic Acid-Photodynamic Therapy in vivo by Decreasing Tumor pH With Glucose and Amiloride—Piot, B, Rousset, N, et al .....	2205
Investigation of Airway Wound Healing Using a Novel in vivo Model—Hardillo, J, Vanclooster, C, et al .....	1174
In Vivo Diagnosis of Nasopharyngeal Carcinoma Using Contact Rhinoscopy—Pak, MW, To, KF, et al .....	1453

### Incisions, Bilateral Lateral Rhinotomy

Bilateral Lateral Rhinotomy Incisions for Medial Maxillectomies in the Management of Pediatric Invasive Fungal Sinusitis—Malhotra, PS, Danahey, D, et al .....	1960
--	------

### Infancy, Pseudotumor of; see also Pediatric Patients

Pseudotumor of Infancy and Congenital Muscular Torticollis: 170 Cases—Wei, JL, Schwartz, KM, et al .....	688
--	-----

### Infections, Mycobacterial

Mycobacterial Infection of the Head and Neck: Presentation and Diagnosis—Al-Serhani, AM .....	2012
---	------

### Infections, Retropharyngeal Space

Surgical Management of Retropharyngeal Space Infections in Children—Kirse, DJ, Roberson, DW .....	1413
---	------

### Infections, Streptococcal

Pediatric Autoimmune Neuropsychiatric Disorders and Streptococcal Infections: Role of Otolaryngologist—Orvidas, LJ, Slattery, MJ .....	1515
--	------

### Inferior Laryngeal Nerve

Preoperative Computed Tomography Diagnosis of Non-Recurrent Inferior Laryngeal Nerve—Watanabe, A, Kawabori, S, et al .....	1756
--	------

### Inferior Turbinate

Argon Plasma Surgery for the Inferior Turbinate of Patients With Perennial Nasal Allergy—Fukazawa, K, Ogasawara, H, et al .....	147
Endoscopic Inferior Turbinate Reduction: An Outcomes Analysis—Gupta, A, Mercurio, E, et al .....	1957
Long-Term Results of Inferior Turbinate Reduction With Argon Plasma Coagulation—Bergler, WF, Sadick, H, et al .....	1593

### Inflammation

Degranulation of Mast Cells Provokes a Massive Inflammatory Reaction in the Tympanic Membrane—Eriksson, PO, Hellström, S .....	1264
How Does Endotoxin Trigger Inflammation in Otitis Media With Effusion?—Schousboe, LP, Ovesen, T, et al .....	297

### Infraorbital Foramen

Certain Anatomical Relations and the Precise Morphometry of the Infraorbital Foramen—Canal and Groove: An Anatomical and Cephalometric Study—Kazkayasi, M, Ergin, A, et al .....	609
--	-----

### Infratemporal Fossa

Endoscopic Evaluation of the Infratemporal Fossa—Hartnick, CJ, Lacy, PD, et al .....	353
--	-----

### Infusion, Target-Controlled

Target-Controlled Infusion in Sleep Endoscopy—Roblin, G, Williams, AR, et al .....	175
--	-----

### Inhibitors of Post-Traumatic Nerve Regeneration

Functional Study of Four Neurotoxins as Inhibitors of Post-Traumatic Nerve Regeneration—Paydarfar, JA, Paniello, RC .....	844
---	-----

### Injected Autologous Fascia

Histology of Injected Autologous Fascia in the Paralyzed Canine Vocal Fold—Reijonen, P, Leivo, I, et al .....	1068
---	------

### Injections, Dextranomers in Hyaluronan

DiHA (Dextranomers in Hyaluronan) Injections for Treatment of Insufficient Closure of the Vocal Folds: Early Clinical	
---	--



Experiences—Hallén, L, Testad, P, et al .....	1063
<b>Inlay Butterfly Cartilage Tympanoplasty</b>	
Evaluation of Inlay Butterfly Cartilage Tympanoplasty: A Randomized Clinical Trial—Mauri, M, Neto, JFL, et al .....	1479
<b>Inner Ear</b>	
Connection Between the Inner Ear and the Lymphatic System—Yimtae, K, Song, H, et al .....	1631
Inner Ear Decompression Sickness in Sport Compressed-Air Diving—Nachum, Z, Shupak, A, et al .....	851
Relationship of Vestibular Aqueduct and Inner Ear Pressure in Ménière's Disease and the Normal Population—Sennaroglu, L, Yilmazer, C, et al .....	16251
<b>Innervated Vocal Cords</b>	
Arytenoid Appearance and Vertical Level Difference Between the Paralyzed and Innervated Vocal Cords—Hong, KH, Jung, KS .....	227
<b>Insects</b>	
Insecticidal Activity of Common Reagents for Insect Foreign Bodies of the Ear—Antonelli, PJ, Ahmadi, A, et al .....	15
<b>Intensive Care Unit</b>	
Bedside Tracheostomy in the Intensive Care Unit: A Prospective Randomized Trial Comparing Open Surgical Tracheostomy With Endoscopically Guided Percutaneous Dilational Tracheostomy—Massick, DD, Yao, S, et al .....	494
<b>Interferometry, Eardrum Laser Doppler</b>	
Evaluation of Eardrum Laser Doppler Interferometry as a Diagnostic Tool—Huber, AM, Schwab, C, et al .....	501
<b>Interferon-<math>\alpha</math>2b</b>	
Effects of Interferon- $\alpha$ -2b and Octreotide on Healing of Esophageal Corrosive Burns—Kaygusuz, I, Celik, O, et al .....	1999
<b>Interferon-<math>\gamma</math></b>	
Changes in Serum Interferon- $\gamma$ , Interleukin-4, and Interleukin-12 Cytokine Levels in Anti-Histamine Type 2-Treated Allergic Rhinitis Patients—Testa, B, Mesolella, C, et al .....	236
<b>Interleukin-2</b>	
Dendritic Cells Pulsed With Apoptotic Squamous Cell Carcinoma Have Anti-Tumor Effects When Combined With Interleukin-2—Son, Y-I, Mailliard, RB, et al .....	1472
Microinvasive Nd:YAG Laser Therapy of Early Glottic Carcinoma and Its Effect on Soluble Interleukin-2 Receptor, Interleukin-2, and Natural Killer Cells—Lai, J-P, Tao, Z-D, et al .....	1585
<b>Interleukin-4</b>	
Changes in Serum Interferon- $\gamma$ , Interleukin-4, and Interleukin-12 Cytokine Levels in Anti-Histamine Type 2-Treated Allergic Rhinitis Patients—Testa, B, Mesolella, C, et al .....	236
<b>Interleukin-12</b>	
Changes in Serum Interferon- $\gamma$ , Interleukin-4, and Interleukin-12 Cytokine Levels in Anti-Histamine Type 2-Treated Allergic Rhinitis Patients—Testa, B, Mesolella, C, et al .....	236
<b>Interleukins, Serum</b>	
Predictive Value of Serum Interleukins in Recurrent Respiratory Papillomatosis: A Preliminary Study—Snowden, RT, Thompson, J, et al .....	404
<b>Intractable Ménière's Disease</b>	
Intratympanic Steroid Injections for Intractable Ménière's Disease—Barrs, DM, Keyser, JS, et al .....	2100
<b>Intralaryngeal Ultrasonography</b>	
Clinical Assessment of Intralaryngeal Ultrasonography—Tamura, E, Kitahara, S, et al .....	1767
<b>Intranasal Drill</b>	
Giant Ethmoid Osteoma With Orbital Extension, a Nasoendoscopic Approach Using an Intranasal Drill—Huang, H-M, Liu, C-M, et al .....	430
<b>Intranasal Tooth</b>	
Endoscopic Extraction of an Intranasal Tooth: A Review of 13 Cases—Lee, F-P .....	1027
<b>Intraoperative Gamma Probe</b>	
Intraoperative Gamma Probe Localization of Parathyroid Adenomas—Sullivan, DP, Scharf, SC, et al .....	912
<b>Intratemporal Facial Nerve Neuroma</b>	
Intratemporal Facial Nerve Neuroma: Anatomical Location and Radiological Features—Kertesz, TR, Shelton, C, et al .....	1250
<b>Intratympanic Steroid Injections</b>	
Intratympanic Steroid Injections for Intractable Ménière's Disease—Barrs, DM, Keyser, JS, et al .....	2100
<b>Intubation of Cartilage Tympanoplasties</b>	
Primary Intubation of Cartilage Tympanoplasties—Danner, CJ, Dornhoffer, JL .....	177
<b>Invasive Fungal Sinusitis</b>	
Bilateral Lateral Rhinotomy Incisions for Medial Maxillectomies in the Management of Pediatric Invasive Fungal Sinusitis—Malhotra, PS, Danahey, D, et al .....	1960
<b>Inverted Papilloma</b>	

Evolution in the Management of Sinonasal Inverting Papilloma—Han, JK, Smith, TL, et al .....	1395
Inverted Papilloma: A Review of 53 Cases—Thorpe, MA, Oyarzabal-Amigo, MF, et al .....	1401
<b>Invited Presidential Lecture</b>	
Invited Presidential Lecture: Max Goldstein, MD: His Continuing Influences on Our Specialty—Bailey, BJ .....	1675
<b>Iodine-Starch Reaction</b>	
Simple Method to Estimate the Secretion of Saliva From Minor Salivary Glands Using Iodine-Starch Reaction—Inamura, T, Ino, C, et al .....	272
<b>Ionomeric Cement</b>	
Ionomeric Cement in the Human Middle Ear Cavity: Long-Term Results of 23 Cases—Kupperman, D, Tange, RA .....	306
<b>Irradiation</b>	
Base-of-Tongue Cancer: Survival, Function, and Quality of Life After External-Beam Irradiation and Brachytherapy—Robertson, ML, Gleich, LL, et al .....	1362
Pretreatment With Portal Venous Ultraviolet B Irradiated Donor Alloantigen Promotes Donor-Specific Tolerance to Rat Nerve Allografts—Genden, EM, Mackinnon, SE, et al .....	439
<b>Island Flaps, Palatal</b>	
Use of Palatal Island Flaps as an Adjunct to Microvascular Free Tissue Transfer for Reconstruction of Complex Oromandibular Defects—Ducic, Y, Herford, AS .....	1666
<b>Isolated Cochlear Outer Hair Cells</b>	
Determination of Ototoxicity of Common Otis Drops Using Isolated Cochlear Outer Hair Cells—Jinn, TH, Kim, PD, et al .....	2105

## J

### Jazz

Historical Vignette: Jazz and Otolaryngology: The Death of Guitarist Eddie Lang—Mandell, DL .....	1980
---	------

### Jugular Foramen Tumors

Hearing Preservation Technique for the Resection of Extensive Jugular Foramen Tumors—Kim, CJ, Yoo, SJ, et al .....	2071
--	------

### Juvenile Angiofibroma

Endoscopic and Endoscopic-Assisted Surgery for Juvenile Angiofibroma—Carrau, RL, Snyderman, CH, et al .....	483
Juvenile Nasopharyngeal Angiofibroma: Management and Therapy—Scholtz, AW, Appenroth, E, et al .....	681
Recurrence and Its Avoidance in Juvenile Angiofibroma—Howard, DJ, Lloyd, G, et al .....	1509

## K

### Karyotyping Analysis

Spectral Karyotyping Analysis of Head and Neck Squamous Cell Carcinoma—Singh, B, Gogineni, S, et al .....	1545
---	------

### Ki-67

Candidate's Thesis: p53 and Ki-67 as Outcome Predictors for Advanced Squamous Cell Cancers of the Head and Neck Treated With Chemoradiotherapy—Lavertu, P, Adelstein, DJ .....	1878
--	------

### Killer Cells

Microinvasive Nd:YAG Laser Therapy of Early Glottic Carcinoma and Its Effect on Soluble Interleukin-2 Receptor, Interleukin-2, and Natural Killer Cells—Lai, J-P, Tao, Z-D, et al .....	1585
---	------

### Kinase Inhibitor, Cyclin-Dependent

Cyclin-Dependent Kinase Inhibitor, p27 (KIP1), Is Associated With Cholesteatoma—Bayazit, YA, Karakök, M, et al .....	1037
--	------

### KIP1

Cyclin-Dependent Kinase Inhibitor, p27 (KIP1), Is Associated With Cholesteatoma—Bayazit, YA, Karakök, M, et al .....	1037
--	------

### KTP Laser

Selective Vestibular Ablation by KTP Laser in Endolymphatic Hydrops—Adamczyk, M, Antonelli, PJ .....	1057
--	------

## L

### Labyrinthine Fistula

Teaching Case: Labyrinthine Fistula: An Unreported Complication of the Grote Prosthesis—Gadre, AK, Hammerschlag, PE .....	796
Virtual Endoscopic Evaluation of Labyrinthine Fistulae Resulting From Cholesteatoma—Briggs, RD, Vrabc, JT, et al .....	1828

### Lamella, Basal

Computed Tomographic and Anatomical Analysis of the Basal Lamellas in the Ethmoid Sinus—Kim, S-S, Lee, J-G, et al ...	424
---	-----

### Laminin-5

Tumor Deposition of Laminin-5 and the Relationship With	
---	--

Perineural Invasion—Anderson, TD, Feldman, M, et al .....	2140
<b>Lang, Eddie</b>	
Historical Vignette: Jazz and Otolaryngology: The Death of Guitarist Eddie Lang—Mandell, DL .....	1980
<b>Laryngeal Angiosarcoma</b>	
Laryngeal Angiosarcoma: A Clinicopathologic Study of Five Cases With a Review of the Literature—Loos, BM, Wieneke, JA, et al .....	1197
<b>Laryngeal Cancer</b>	
Health-Related Quality of Life in Patients With Laryngeal Cancer: A Post-Treatment Comparison of Different Modes of Communication—Finizia, C, Bergman, B .....	918
Quality of Life After Treatment for Advanced Laryngeal and Hypopharyngeal Cancer—Major, MS, Bumpous, JM, et al ..	1379
Second Malignant Neoplasms in Patients Under 40 Years of Age with Laryngeal Cancer—Albright, JT, Karpatis, R, et al .....	563
<b>Laryngeal Carcinoma</b>	
Carcinoma of the Larynx: Predictors of Diagnostic Delay—Habermann, W, Berghold, A, et al .....	653
<b>Laryngeal Dystonia</b>	
Study of Laryngeal Muscle Activity in Normal Human Subjects and in Patients With Laryngeal Dystonia Using Multiple Fine-Wire Electromyography—Hillel, AD .....	Supplement No. 97
<b>Laryngeal Findings</b>	
Symptoms, Laryngeal Findings, and 24-Hour pH Monitoring in Patients With Suspected Gastroesophago-Pharyngeal Reflux—Ylitalo, R, Lindestad, P-A, et al .....	1735
<b>Laryngeal Mucosa</b>	
Acute Laryngotracheitis in the Rat Induced by Sendai Virus: The Influx of Six Different Types of Immunocompetent Cells Into the Laryngeal Mucosa Differs Strongly Between the Subglottic and the Glottic Compartment—Jecker, P, McWilliam, A, et al ..	1645
<b>Laryngeal Muscle</b>	
Modulation of Myosin Heavy Chains in Rat Laryngeal Muscle—Shiotani, A, Nakagawa, H, et al .....	472
Study of Laryngeal Muscle Activity in Normal Human Subjects and in Patients With Laryngeal Dystonia Using Multiple Fine-Wire Electromyography—Hillel, AD .....	Supplement No. 97
<b>Laryngeal Nerve</b>	
Preoperative Computed Tomography Diagnosis of Non-Recurrent Inferior Laryngeal Nerve—Watanabe, A, Kawabori, S, et al .....	1756
Recurrent Laryngeal Nerve Monitoring by Cricopharyngeus Contraction—Sasaki, CT, Mitra, S .....	738
Remote Delivery of rAAV-GFP to the Rat Brainstem Through the Recurrent Laryngeal Nerve—Rubin, AD, Hogikyan, ND, et al .....	2041
<b>Laryngeal Preservation</b>	
Candidate's Thesis: Laryngeal Preservation With Supracricoid Partial Laryngectomy Results in Improved Quality of Life When Compared With Total Laryngectomy—Weinstein, GS, El-Sawy, MM, et al .....	191
<b>Laryngeal Pseudosulcus</b>	
Laryngeal Pseudosulcus as a Predictor of Laryngopharyngeal Reflux—Hickson, C, Simpson, B, et al .....	1742
<b>Laryngeal Reinnervation</b>	
Ogura Lecture: Morphologic Correlates for Laryngeal Reinnervation—Gacek, RR .....	1871
<b>Laryngeal Squamous Cell Carcinoma</b>	
Delayed Regional Metastases, Distant Metastases, and Second Primary Malignancies in Squamous Cell Carcinomas of the Larynx and Hypopharynx—Spector, JG, Sessions, DG, et al .....	1079
<b>Laryngeal Tumors of Head and Neck</b>	
Vocal Function Following Radiation for Non-Laryngeal Versus Laryngeal Tumors of the Head and Neck—Fung, K, Yoo, J, et al .....	1920
<b>Laryngectomy</b>	
Alternative Voice After Laryngectomy Using a Sound-Producing Voice Prosthesis—van der Torn, M, de Vries, MP, et al .....	336
<b>Laryngectomy, Frontolateral</b>	
Partial Frontolateral Laryngectomy With Epiglottic Reconstruction for Management of Early-Stage Glottic Carcinoma—Giovanni, A, Guelfucci, B, et al .....	663
<b>Laryngectomy, Supracricoid</b>	
Functional Outcomes After Supracricoid Laryngectomy—Zacharek, MA, Pasha, R, et al .....	1558
<b>Laryngectomy, Supracricoid Partial</b>	
Candidate's Thesis: Laryngeal Preservation With Supracricoid Partial Laryngectomy Results in Improved Quality of Life When Compared With Total Laryngectomy—Weinstein, GS, El-Sawy, MM, et al .....	191
<b>Laryngectomy, Total</b>	

Candidate's Thesis: Early Oral Feeding Following Total Laryngectomy—Medina, JE, Khafif, A .....	368
Candidate's Thesis: Laryngeal Preservation With Supracricoid Partial Laryngectomy Results in Improved Quality of Life When Compared With Total Laryngectomy—Weinstein, GS, El-Sawy, MM, et al .....	191
<b>Laryngitis</b>	
Evaluation of Omeprazole in the Treatment of Reflux Laryngitis: A Prospective Placebo-Controlled Randomized Double-Blind Study—Noordzij, JP, Khidr, A, et al .....	2147
<b>Laryngopharyngeal Reflux</b>	
Laryngeal Pseudosulcus as a Predictor of Laryngopharyngeal Reflux—Hickson, C, Simpson, B, et al .....	1742
Laryngopharyngeal Reflux Symptoms Improve Before Changes in Physical Findings—Belafsky, PC, Postma, GN, et al .....	979
<b>Laryngoscope</b>	
Editorial: Case of the Month: A New Feature for <i>The Laryngoscope</i> —Bailey, BJ .....	367
<b>Laryngospasm</b>	
Laryngospasm: An Atypical Manifestation of Severe Gastroesophageal Reflux Disease (GERD)—Maceri, DR, Zim, S ..	1976
<b>Laryngotracheal Anastomosis</b>	
Laryngotracheal Anastomosis: Primary and Revised Procedures—Wolf, M, Shapira, Y, et al .....	622
<b>Laryngotracheal Closure</b>	
Dynamic Laryngotracheal Closure for Aspiration: A Preliminary Report—Broniatowski, M, Grundfest-Broniatowski, S, et al .....	2032
<b>Laryngotracheal Reconstruction</b>	
Single-Stage Adult Laryngotracheal Reconstruction Without Stenting—Rhee, JS, Toohill, RJ .....	765
<b>Laryngotracheitis</b>	
Acute Laryngotracheitis in the Rat Induced by Sendai Virus: The Influx of Six Different Types of Immunocompetent Cells Into the Laryngeal Mucosa Differs Strongly Between the Subglottic and the Glottic Compartment—Jecker, P, McWilliam, A, et al ..	1645
<b>Laser</b>	
Microinvasive Nd:YAG Laser Therapy of Early Glottic Carcinoma and Its Effect on Soluble Interleukin-2 Receptor, Interleukin-2, and Natural Killer Cells—Lai, J-P, Tao, Z-D, et al .....	1585
Powered Instrument Papilloma Excision: An Alternative to Laser Therapy for Recurrent Respiratory Papilloma—Parsons, DS, Bothwell, MR .....	1494
<b>Laser, CO<sub>2</sub>; see CO<sub>2</sub> Laser Laser, KTP</b>	
Selective Vestibular Ablation by KTP Laser in Endolymphatic Hydrops—Adamczyk, M, Antonelli, PJ .....	1057
<b>Laser, Pulsed-Dye</b>	
Pulsed-Dye Laser and Retinoic Acid Delay Progression of Oral Squamous Cell Carcinoma: A Murine Model—Shah, RK, Valez, TA, et al .....	1203
<b>Laser Arytenoidectomy</b>	
Laser Arytenoidectomy for Bilateral Median Vocal Fold Fixation—Sato, K, Umeno, H, et al .....	168
<b>Laser Doppler Interferometry, Eardrum</b>	
Evaluation of Eardrum Laser Doppler Interferometry as a Diagnostic Tool—Huber, AM, Schwab, C, et al .....	501
<b>Laser Tympanic Membrane Fenestration</b>	
Effectiveness of Adenoidectomy and Laser Tympanic Membrane Fenestration—Cook, SP, Brodsky, L, et al .....	251
<b>Laser-Assisted Myringotomy</b>	
Atypical Indications for OtoScan Laser-Assisted Myringotomy—Bent, JP, April, MM, et al .....	87
<b>Laser-Assisted Tympanostomy</b>	
Pediatric Laser-Assisted Tympanostomy—Silverstein, H, Jackson, LE, et al .....	905
<b>Late Gold Weight Implantation</b>	
Early Versus Late Gold Weight Implantation for Rehabilitation of the Paralyzed Eyelid—Snyder, MC, Johnson, PJ, et al .....	2109
<b>Latency, 3-ms</b>	
Sound-Evoked Myogenic Potentials and Responses With 3-ms Latency in Auditory Brainstem Response—Ochi, K, Ohashi, T ...	1818
<b>Lateral Attic Wall Reconstruction</b>	
Saddle Blanket Graft Tympanoplasty and Lateral Attic Wall Reconstruction for Defects Produced by Primary Acquired Cholesteatoma—Luetje, CM .....	1497
<b>Lateral Cephalometry</b>	
Frontal and Lateral Cephalometry in Patients With Sleep-Disordered Breathing—Finkelstein, Y, Wexler, D, et al .....	634
<b>Lateral Rhinotomy Incisions</b>	
Bilateral Lateral Rhinotomy Incisions for Medial Maxillectomies in the Management of Pediatric Invasive Fungal	

Sinusitis—Malhotra, PS, Danahey, D, et al	1960
<b>Lectin</b>	
Quantitative Analysis of Mucin and Lectin in Maxillary Sinus Fluids in Patients With Acute and Chronic Sinusitis—Shinogi, J, Harada, T, et al	240
<b>Lesions, Head and Neck</b>	
Chromosomal Aneuploidy Precedes Morphological Changes and Supports Multifocality in Head and Neck Lesions—Ai, H, Barrera, JE, et al	1853
<b>Lesions, Retropharyngeal</b>	
Magnetic Resonance Imaging-Guided Fine-Needle Aspiration Biopsies of Retropharyngeal Lesions—Maghami, EG, Bonyadlou, S, et al	2218
<b>Lidocaine</b>	
Relief of Post-Tonsillectomy Pain by Release of Lidocaine From Fibrin Glue—Kitajiri, S-I, Tabuchi, K, et al	642
<b>Lierle, Dean</b>	
Dean Lierle Residents Award: The Role of Copper Suppression as an Antiangiogenic Strategy in Head and Neck Squamous Cell Carcinoma—Cox, C, Teknos, TN, et al	696
<b>Life, Quality of; see Quality of Life Lipoinjection Augmentation</b>	
Lipoinjection Augmentation of the Soft Palate for Velopharyngeal Stress Incompetence—Klotz, DA, Howard, J, et al	2157
<b>L-N-Acetyl-Cysteine</b>	
Candidate's Thesis: L-N-Acetyl-Cysteine Protection Against Cisplatin-Induced Auditory Neuronal and Hair Cell Toxicity—Feghali, JG, Liu, W, et al	1147
<b>Local Vasodilator Response to Mobile Phones</b>	
Local Vasodilator Response to Mobile Phones—Paredi, P, Kharitonov, SA, et al	159
<b>Lothrop Procedure</b>	
Modified Lothrop Procedure: Lessons Learned—Gross, CW, Schlosser, RJ	1302
<b>Low-Dose Technetium Tc 99m Sulfur Colloid</b>	
Use of Low-Dose Technetium Tc 99m Sulfur Colloid to Locate Sentinel Lymph Nodes in Melanoma of the Head and Neck: Preliminary Study—Rasgon, BM	1366
<b>Lyme Disease</b>	
Western Blot Analysis for Diagnosis of Lyme Disease in Acute Facial Palsy—Furuta, Y, Kawabata, H, et al	719
<b>Lymph Nodes</b>	
Use of Low-Dose Technetium Tc 99m Sulfur Colloid to Locate Sentinel Lymph Nodes in Melanoma of the Head and Neck: Preliminary Study—Rasgon, BM	1366
<b>Lymphangioma</b>	
Cystic Hygroma/Lymphangioma: A Rational Approach to Management—Kennedy, TL, Whitaker, M, et al	1929
<b>Lymphangiomatous Macroglossia</b>	
Radiofrequency Ablation of Lymphangiomatous Macroglossia—Cable, BB, Mair, EA	1859
<b>Lymphatic Malformation in the Head and Neck</b>	
Sclerotherapy With Picibanil (OK-432) for Congenital Lymphatic Malformation in the Head and Neck—Sung, M-W, Lee, D-W, et al	1430
<b>Lymphatic System</b>	
Connection Between the Inner Ear and the Lymphatic System—Yimtae, K, Song, H, et al	1631
<b>Lymphoma, Hodgkin's</b>	
Hodgkin's and Non-Hodgkin's Lymphoma of the Head and Neck—Urquhart, A, Berg, R	1565
<b>Lymphoma, Non-Hodgkin's</b>	
Hodgkin's and Non-Hodgkin's Lymphoma of the Head and Neck—Urquhart, A, Berg, R	1565
<b>M</b>	
<b>Macroglossia, Lymphangiomatous</b> , BB, EA . . . 1859, Mair, Radiofrequency Ablation of Lymphangiomatous Macroglossia—Cable	
<b>Macrophage Migration Inhibitory Factor (MIF)</b>	
Detection of Macrophage Migration Inhibitory Factor (MIF) in Human Cholesteatomas and Functional Implications of Correlations to Recurrence Status and to Expression of Matrix Metalloproteinases-3/9, Retinoic Acid Receptor- $\beta$ , and Anti-Apoptotic Galectin-3—Choufani, G, Ghanoun, R, et al	1656
<b>Magnetic Resonance Imaging (MRI)</b>	
Functional Magnetic Resonance Imaging of the Pediatric Swallow: Imaging the Cortex and the Brainstem—Hartnick, CJ, Rudolph, C, et al	1183
Intraoperative Magnetic Resonance Imaging for Skull Base Surgery—Dort, JC, Sutherland, GR	1570
Magnetic Resonance Imaging-Guided Fine-Needle Aspiration Biopsies of Retropharyngeal Lesions—Maghami, EG, Bonyadlou, S, et al	2218
<b>MRI Detection of Cervical Metastasis From Differentiated Thyroid Carcinoma</b> —Gross, ND, Weissman, JL, et al	1905
<b>Real-Time Cine Magnetic Resonance Imaging for Evaluation of the Pediatric Airway</b> —Faust, R, Remley, KB, et al	2187
<b>Major Salivary Glands</b>	
Molecular Differences in Mucoepidermoid Carcinoma and Adenoid Cystic Carcinoma of the Major Salivary Glands—Gibbons, MD, Manne, U, et al	1373
Prognostic Factors in Major Salivary Gland Cancer—Hocwald, E, Korkmaz, H, et al	1434
<b>Male Patients</b>	
Preoperative Differences Between Male and Female Patients With Sleep Apnea—Walker, RP, Durazo-Arvizu, R, et al	1501
<b>Malformation</b>	
Sclerotherapy With Picibanil (OK-432) for Congenital Lymphatic Malformation in the Head and Neck—Sung, M-W, Lee, D-W, et al	1430
Teaching Case: A Large Arteriovenous Malformation of the External Ear in an Adult: Report of a Case and Approach to Management—Pham, TH, Wong, BJF, et al	1390
<b>Malignancy</b>	
Delayed Regional Metastases, Distant Metastases, and Second Primary Malignancies in Squamous Cell Carcinomas of the Larynx and Hypopharynx—Spector, JG, Sessions, DG, et al	1079
<b>Malignancy, Nasopharyngeal Salivary Gland</b>	
Management of Nasopharyngeal Salivary Gland Malignancy—Schramm, VL, Imola, MJ	1533
<b>Malignancy; see also Cancer; Carcinoma; Neoplasms; Tumors</b>	
<b>Malignant Neoplasms</b>	
Second Malignant Neoplasms in Patients Under 40 Years of Age with Laryngeal Cancer—Albright, JT, Karpatis, R, et al	563
<b>Mandible</b>	
Candidate's Thesis: Distraction Osteogenesis of the Mandible for Airway Obstruction in Children—Sidman, JD, Sampson, D, et al	1137
Technetium 99m Single Positron Emission Computed Tomography Scanning for Assessing Mandible Invasion in Oral Cavity Cancer—Imola, MJ, Gapany, M, et al	373
<b>Mandible Fractures</b>	
5196 Mandible Fractures Among 4381 Active Duty Army Soldiers, 1980 to 1998—Boole, JR, Holtel, M, et al	1691
Immediate Mobilization Following Fixation of Mandible Fractures: A Prospective, Randomized Study—Kaplan, BA, Hoard, MA, et al	1520
<b>Mandibular Joint Arthropathy</b>	
Mandibular and Temporomandibular Joint Arthropathy in the Differential Diagnosis of the Parotid Mass—Klenoff, JR, Lowlicht, RA, et al	2162
<b>Manometry</b>	
Ambulatory 24-Hour Double-Probe pH Monitoring: The Importance of Manometry—Johnson, PE, Koufman, JA, et al	1970
<b>Massive Inflammatory Reaction</b>	
Degranulation of Mast Cells Provokes a Massive Inflammatory Reaction in the Tympanic Membrane—Eriksson, PO, Hellström, S	1264
<b>Mast Cells</b>	
Degranulation of Mast Cells Provokes a Massive Inflammatory Reaction in the Tympanic Membrane—Eriksson, PO, Hellström, S	1264
<b>Mastoid</b>	
Facial Nerve Monitoring in Middle Ear and Mastoid Surgery—Noss, RS, Lalwani, AK, et al	831
<b>Matrix Metalloproteinases-3/9</b>	
Detection of Macrophage Migration Inhibitory Factor (MIF) in Human Cholesteatomas and Functional Implications of Correlations to Recurrence Status and to Expression of Matrix Metalloproteinases-3/9, Retinoic Acid Receptor- $\beta$ , and Anti-Apoptotic Galectin-3—Choufani, G, Ghanoun, R, et al	1656
<b>Maxillary Sinus Fluids</b>	
Quantitative Analysis of Mucin and Lectin in Maxillary Sinus Fluids in Patients With Acute and Chronic Sinusitis—Shinogi, J, Harada, T, et al	240
<b>Maxillary Sinus Surgery</b>	
Top 10 Reasons for Endoscopic Maxillary Sinus Surgery Failure—Richtsmeier, WJ	1952
<b>Maxillectomy</b>	
Bilateral Lateral Rhinotomy Incisions for Medial Maxillectomies in the Management of Pediatric Invasive Fungal Sinusitis—Malhotra, PS, Danahey, D, et al	1960
Effective, Inexpensive, Temporary Surgical Obturator Following Maxillectomy—Ducic, Y	356

<b>Maxillomandibular Advancement</b>	
Uvulopalatopharyngoplasty, Maxillomandibular Advancement, and the Velopharynx—Li, KK, Troell, RJ, et al	1075
<b>McGee Stapes Prosthesis</b>	
Long-Term Stapedectomy Results With the McGee Stapes Prosthesis—Raske, M, Welling, JD, et al	2060
<b>Medial Canthal Ligament Reattachment</b>	
Medial Canthal Ligament Reattachment in Skull Base Surgery and Trauma—Ducic, Y	734
<b>Medial Maxillectomies</b>	
Bilateral Lateral Rhinotomy Incisions for Medial Maxillectomies in the Management of Pediatric Invasive Fungal Sinusitis—Malhotra, PS, Danahey, D, et al	1960
<b>Medial Orbital Floor</b>	
Candidate's Thesis: A Stepwise Surgical Technique Using the Medial Orbital Floor as the Key Landmark in Performing Endoscopic Sinus Surgery—Casiano, RR	964
<b>Medialization, Percutaneous</b>	
Immediate Percutaneous Medialization for Acute Vocal Fold Immobility With Aspiration—Anderson, TD, Mirza, N	1318
<b>Median Vocal Fold Fixation</b>	
Laser Arytenoidectomy for Bilateral Median Vocal Fold Fixation—Sato, K, Umeno, H, et al	168
<b>Medications; see Drugs Medicine, Alternative</b>	
State of the Art Review: Complementary and Alternative Medicine in Otolaryngology—Asher, BF, Seidman, M, et al	1383
<b>Medicine, Complementary</b>	
State of the Art Review: Complementary and Alternative Medicine in Otolaryngology—Asher, BF, Seidman, M, et al	1383
<b>Medieval Denmark</b>	
Chronic Otitis Media Sequelae in Skeletal Material From Medieval Denmark—Qvist, M, Grøntved, AM	114
<b>Melanoma of Head and Neck; see Head and Neck Melanoma</b>	
<b>Ménière's Disease</b>	
Endolymphatic Hydrops in Asymptomatic Ears in Unilateral Ménière's Disease—Friedrichs, I, Thornton, ARD, et al	857
Intratympanic Steroid Injections for Intractable Ménière's Disease—Barrs, DM, Keyser, JS, et al	2100
Relationship of Vestibular Aqueduct and Inner Ear Pressure in Ménière's Disease and the Normal Population—Sennaroglu, L, Yilmazer, C, et al	16251
Use of the Round Window Microcatheter in the Treatment of Ménière's Disease—Hoffer, ME, Kopke, RD, et al	2046
<b>Meningitis</b>	
Sinusitis Complicated by Meningitis: Current Management—Younis, RT, Anand, VK, et al	1338
<b>MERI; see Middle Ear Risk Index Metastases</b>	
Chemoradiation for Metastatic SCCA: Role of Comorbidity—Hathaway, B, Johnson, JT, et al	1893
Delayed Regional Metastases, Distant Metastases, and Second Primary Malignancies in Squamous Cell Carcinomas of the Larynx and Hypopharynx—Spector, JG, Sessions, DG, et al	1079
MRI Detection of Cervical Metastasis From Differentiated Thyroid Carcinoma—Gross, ND, Weissman, JL, et al	1905
<b>Methylene Blue</b>	
Methylene Blue and Sestamibi: Complementary Tools for Localizing Parathyroids—Orloff, LA	1901
<b>Mice</b>	
Decreased Cochlear DNA Receptor Staining in MRL MpJ-Fas <sup>1pr</sup> Autoimmune Mice With Hearing Loss—Kaylie, DM, Hefeneider, SH, et al	1275
<b>Microbiology</b>	
Microbiology of Chronic Frontal Sinusitis—Schlosser, RJ, London, SD, et al	1330
Microbiology of Mucopyocele—Brook, I, Frazier, EH	1771
Microbiology of Normal External Auditory Canal—Stroman, DW, Roland, PS, et al	2054
<b>Microcatheter, Round Window</b>	
Use of the Round Window Microcatheter in the Treatment of Ménière's Disease—Hoffer, ME, Kopke, RD, et al	2046
<b>Microinvasive Nd:YAG Laser Therapy</b>	
Microinvasive Nd:YAG Laser Therapy of Early Glottic Carcinoma and Its Effect on Soluble Interleukin-2 Receptor, Interleukin-2, and Natural Killer Cells—Lai, J-P, Tao, Z-D, et al	1585
<b>Microphonics, Cochlear</b>	
Candidate's Thesis: Distortion-Product Otoacoustic Emissions and Cochlear Microphonics: Relationships in Patients With and Without Endolymphatic Hydrops—Fetterman, BL	946
<b>Microscopy, Electron</b>	
Tracheal Transplantation: Cytological Changes Studied by Scanning and Transmission Electron Microscopy in the Rabbit—Zagalo, C, Grande, NR, et al	657
<b>Microvascular Free Tissue Transfer</b>	
Use of Palatal Island Flaps as an Adjunct to Microvascular Free Tissue Transfer for Reconstruction of Complex Oromandibular Defects—Ducic, Y, Herford, AS	1666
<b>Microwave Decalcification</b>	
Microwave Decalcification of Human Temporal Bones—Cunningham, CD, III, Schulte, BA, et al	278
<b>Middle Cranial Fossa Surgery</b>	
Use of Reconstructed Sagittal Computed Tomography Images to Plan Middle Cranial Fossa Surgery—Olson, KL, Manolidis, S, et al	2095
<b>Middle Ear</b>	
Facial Nerve Monitoring in Middle Ear and Mastoid Surgery—Noss, RS, Lalwani, AK, et al	831
Ionomeric Cement in the Human Middle Ear Cavity: Long-Term Results of 23 Cases—Kupperman, D, Tange, RA	306
Mucosal Immunity of the Middle Ear: Analysis at the Single Cell Level—Suenaga, S, Kodama, S, et al	290
<b>Middle Ear, Guinea Pig</b>	
Free Radical Production by Antibiotic-Killed Bacteria in the Guinea Pig Middle Ear—Takoudes, TG, Haddad, J, Jr.	283
<b>Middle Ear Effusions</b>	
Middle Ear Effusions and Structure of the Tympanic Membrane—Wielinga, EWJ, Peters, TA, et al	90
<b>Middle Ear Mucosa</b>	
Growth Factors Influence Growth and Differentiation of the Middle Ear Mucosa—Palacios, SD, Oehl, HJ, et al	874
<b>Middle Ear Risk Index (MERI)</b>	
Smoking and Tympanoplasty: Implications for Prognosis and the Middle Ear Risk Index (MERI)—Becvarovski, Z, Kartush, JM	1806
<b>Middle Ear Surgery</b>	
Facial Nerve Monitoring in Middle Ear and Mastoid Surgery—Noss, RS, Lalwani, AK, et al	831
Long-Term Follow-up Results of Electrogustometry and Subjective Taste Disorder After Middle Ear Surgery—Saito, T, Manabe, Y, et al	2064
<b>Middle Fossa</b>	
Three-Dimensional Image for the Middle Fossa Approach and Its Anatomical Considerations—Tsunoda, A, Komatsuzaki, A, et al	1048
<b>MIF; see Migration Inhibitory Factor Mitochondrial Encephalomyopathies</b>	
Progressive Sensorineural Hearing Loss in Children With Mitochondrial Encephalomyopathies—Zwirner, P, Wilichowski, E	515
<b>Mobile Phones</b>	
Local Vasodilator Response to Mobile Phones—Paredi, P, Kharitonov, SA, et al	159
<b>Mobilization</b>	
Immediate Mobilization Following Fixation of Mandible Fractures: A Prospective, Randomized Study—Kaplan, BA, Hoard, MA, et al	1520
<b>Modified Lothrop Procedure</b>	
Modified Lothrop Procedure: Lessons Learned—Gross, CW, Schlosser, RJ	1302
<b>Molecular Biology</b>	
Molecular Biological Diagnosis of Congenital and Acquired Cholesteatoma on the Basis of Differences in Telomere Length—Kojima, H, Miyazaki, H, et al	867
<b>Molecular Differences</b>	
Molecular Differences in Mucoepidermoid Carcinoma and Adenoid Cystic Carcinoma of the Major Salivary Glands—Gibbons, MD, Manne, U, et al	1373
<b>Molecules, Adhesion</b>	
Adhesion Molecules as Prognostic Factors in Nasopharyngeal Carcinomas—Shnayder, Y, Kurikose, MA, et al	1842
<b>Mongolian Gerbil Model</b>	
Expression of Apoptosis-Related Proteins in the Aged Cochlea of Mongolian Gerbils—Alam, SA, Oshima, T, et al	528
<b>Monopolar Electrosurgery</b>	
Comparison of Monopolar Electrosurgery to a New Multipolar Electrosurgical System in a Rat Model—Chinpaioj, S, Feldman, MD, et al	213
<b>Morphology</b>	
Chromosomal Aneuploidy Precedes Morphological Changes and Supports Multifocality in Head and Neck Lesions—Ai, H, Barrera, JE, et al	1853
A Morphological Study of Age Changes in Adult Human Auricular Cartilage With Special Emphasis on Elastic Fibers—Ito, I, Imada, M, et al	881
Ogura Lecture: Morphologic Correlates for Laryngeal Reinnervation—Gacek, RR	1871



## Morphometry

- Certain Anatomical Relations and the Precise Morphometry of the Infraorbital Foramen—Canal and Groove: An Anatomical and Cephalometric Study—Kazkayasi, M, Ergin, A, et al ..... 609

## Motility-Related Proteins

- Motility-Related Proteins as Markers for Head and Neck Squamous Cell Cancer—Abraham, MT, Kuriakose, A, et al ..... 1285

## Motor Nerve Regeneration

- Inhibition of Motor Nerve Regeneration in a Rabbit Facial Nerve Model—Yian, CH, Paniello, RC, et al ..... 786

## MRI; see Magnetic Resonance Imaging MRL. MpJ-Fas<sup>1pr</sup>

## Autoimmune Mice

- Decreased Cochlear DNA Receptor Staining in MRL. MpJ-Fas<sup>1pr</sup> Autoimmune Mice With Hearing Loss—Kaylie, DM, Hefeneider, SH, et al ..... 1275

## Mucin

- Quantitative Analysis of Mucin and Lectin in Maxillary Sinus Fluids in Patients With Acute and Chronic Sinusitis—Shinogi, J, Harada, T, et al ..... 240

## Mucocele, Sinus

- Endoscopic Management of 108 Sinus Mucoceles—Har-El, G .. 2131

## Mucociliary Motility

- Regulation of Mucociliary Motility by Nitric Oxide and Expression of Nitric Oxide Synthase in the Human Sinus Epithelial Cells—Kim, J-W, Min, Y-G, et al ..... 246

## Mucoepidermoid Carcinoma

- Molecular Differences in Mucoepidermoid Carcinoma and Adenoid Cystic Carcinoma of the Major Salivary Glands—Gibbons, MD, Manne, U, et al ..... 1373

## Mucopyocele

- Microbiology of Mucopyocele—Brook, I, Frazier, EH ..... 1771

## Mucosa, Laryngeal

- Acute Laryngotracheitis in the Rat Induced by Sendai Virus: The Influx of Six Different Types of Immunocompetent Cells Into the Laryngeal Mucosa Differs Strongly Between the Subglottic and the Glottic Compartment—Jecker, P, McWilliam, A, et al .. 1645

## Mucosa, Middle Ear

- Growth Factors Influence Growth and Differentiation of the Middle Ear Mucosa—Palacios, SD, Oehl, HJ, et al ..... 874

## Mucosa, Nasal; see Nasal Mucosa Mucosal Immunity

- Mucosal Immunity of the Middle Ear: Analysis at the Single Cell Level—Suenaga, S, Kodama, S, et al ..... 290

## Multifocality

- Chromosomal Aneuploidy Precedes Morphological Changes and Supports Multifocality in Head and Neck Lesions—Ai, H, Barrera, JE, et al ..... 1853

## Multiple Dural Sinus Thromboses

- Unique Case of Bezold's Abscess Associated With Multiple Dural Sinus Thromboses—Zapanta, PE, Chi, DH, et al ..... 1944

## Multiple Fine-Wire Electromyography

- Study of Laryngeal Muscle Activity in Normal Human Subjects and in Patients With Laryngeal Dystonia Using Multiple Fine-Wire Electromyography—Hillel, AD ..... Supplement No. 97

## Multipolar Electrosurgical System

- Comparison of Monopolar Electrosurgery to a New Multipolar Electrosurgical System in a Rat Model—Chinpaioj, S, Feldman, MD, et al ..... 213

## Murine Model

- Pulsed-Dye Laser and Retinoic Acid Delay Progression of Oral Squamous Cell Carcinoma: A Murine Model—Shah, RK, Valez, TA, et al ..... 1203

## Muscular Torticollis, Congenital

- Pseudotumor of Infancy and Congenital Muscular Torticollis: 170 Cases—Wei, JL, Schwartz, KM, et al ..... 688

## Mutation

- Mutation and Abnormal Expression of the Fragile Histidine Triad Gene in Nasopharyngeal Carcinoma—Deng, Y-F, Tian, F, et al .. 1589

## Mycobacterial Adenitis, Nontubercous

- Nontubercous Mycobacterial Adenitis of the Head and Neck in Children: Experience From a Tertiary Care Pediatric Center—Rahal, A, Abela, A, et al ..... 1791

## Mycobacterial Infection

- Mycobacterial Infection of the Head and Neck: Presentation and Diagnosis—Al-Serhani, AM ..... 2012

## Myocutaneous Flap, Pectoralis Major

- Hypopharyngeal Reconstruction Using Pectoralis Major Myocutaneous Flap and Pre-Vertebral Fascia—Spriano, G, Piantanida, R, et al ..... 544

## Myogenic Potentials

- Sound-Evoked Myogenic Potentials and Responses With 3-ms Latency in Auditory Brainstem Response—Ochi, K, Ohashi, T ... 1818

- Variance of Vestibular-Evoked Myogenic Potentials—Ochi, K, Ohashi, T, et al ..... 522

## Myosin Heavy Chains

- Modulation of Myosin Heavy Chains in Rat Laryngeal Muscle—Shiotani, A, Nakagawa, H, et al ..... 472

## Myringoplasty

- Office Myringoplasty With Alloderm—Saadat, D, Ng, M, et al ... 181

## Myringotomy

- Atypical Indications for OtoScan Laser-Assisted Myringotomy—Bent, JP, April, MM, et al ..... 87  
Tetracaine Topical Anesthesia for Myringotomy—Hoffman, RA, Li, C-LJ ..... 1636

## N

### NADE Protein

- Expression of p75NTR and Its Associated Protein NADE in the Rat Cochlea—Sano, H, Mukai, J, et al ..... 535

### Nasal Allergy

- Argon Plasma Surgery for the Inferior Turbinate of Patients With Perennial Nasal Allergy—Fukazawa, K, Ogasawara, H, et al .... 147

### Nasal Ciliary Function

- Nasal Ciliary Function and Ultrastructure in Down Syndrome—Piatti, G, Allegra, L, et al ..... 1227

### Nasal Clinic

- Endoscopy-Negative, Computed Tomography-Negative Facial Pain in a Nasal Clinic—West, B, Jones, NS ..... 581

### Nasal Culture

- Comparison of Antral Tap With Endoscopically Directed Nasal Culture—Casiano, RR, Cohn, S, et al ..... 1333

### Nasal Cycle

- Nasal Nitric Oxide and the Nasal Cycle—Qian, W, Sabo, R, et al ..... 1603

### Nasal Drugs

- Classification of Cilio-Inhibiting Effects of Nasal Drugs—Merkus, P, Romeijn, SG, et al ..... 595

### Nasal Endoscopic Evaluation

- Simultaneous Modified Evans Blue Dye Procedure and Video Nasal Endoscopic Evaluation of the Swallow—Donzelli, J, Brady, S, et al ..... 1746

### Nasal Function

- Changes of Nasal Function After Temperature-Controlled Radiofrequency Tissue Volume Reduction for the Turbinate—Rhee, C-S, Kim, D-Y, et al ..... 153

### Nasal Mucosa

- Detection of Fungi in the Nasal Mucosa Using Polymerase Chain Reaction—Catten, MD, Murr, AH, et al ..... 399

### Nasal Nitric Oxide

- Nasal Nitric Oxide and the Nasal Cycle—Qian, W, Sabo, R, et al ..... 1603

### Nasal Obstruction

- State of the Art Review: Olfaction and Its Alteration by Nasal Obstruction, Rhinitis, and Rhinosinusitis—Doty, RL, Mishra, A ..... 409

### Nasal Tissue Volume Reduction

- Changes of Nasal Function After Temperature-Controlled Radiofrequency Tissue Volume Reduction for the Turbinate—Rhee, C-S, Kim, D-Y, et al ..... 153

### Nasoendoscopy

- Giant Ethmoid Osteoma With Orbital Extension, a Nasoendoscopic Approach Using an Intranasal Drill—Huang, H-M, Liu, C-M, et al ..... 430

### Nasofrontal Duct

- Surgical Anatomy of the Nasofrontal Duct: Anatomical and Computed Tomographic Analysis—Kim, KS, Kim, HU, et al ..... 603

### Nasofrontal Region

- Computer-Assisted Anatomical Study of the Nasofrontal Region—Landsberg, R, Friedman, M ..... 2125

### Nasopharyngeal Angiofibroma

- Juvenile Nasopharyngeal Angiofibroma: Management and Therapy—Scholtz, AW, Appenroth, E, et al ..... 681

### Nasopharyngeal Carcinoma

- Adhesion Molecules as Prognostic Factors in Nasopharyngeal Carcinomas—Shnayder, Y, Kuriakose, MA, et al ..... 1842  
Differentiation of Recurrent Nasopharyngeal Carcinoma and Skull Base Osteoradionecrosis by Epstein-Barr Virus-Derived Latent Membrane Protein-1 Gene—Hao, S-P, Tsang, N-M, et al .... 650  
Expression of p16, nm23-H1, E-cadherin, and CD44 Gene Products and Their Significance in Nasopharyngeal Carcinoma—Huang, G-W, Mo, W-N, et al ..... 1465

Mutation and Abnormal Expression of the Fragile Histidine Triad Gene in Nasopharyngeal Carcinoma—Deng, Y-F, Tian, F, et al ..	1589
Prospective Study of p53 Expression and Its Correlation With Clinical Response of Radiotherapy in Nasopharyngeal Carcinoma—Ho, K-Y, Kuo, W-R, et al ..	131
Unilateral Palate Paralysis in Patients With Nasopharyngeal Carcinoma: Imaging and Clinical Correlations—Su, C-Y, Lui, C-C ..	645
In Vivo Diagnosis of Nasopharyngeal Carcinoma Using Contact Rhinoscopy—Pak, MW, To, KF, et al ..	1453
<b>Nasopharyngeal Salivary Gland Malignancy</b>	
Management of Nasopharyngeal Salivary Gland Malignancy—Schramm, VL, Imola, MJ ..	1533
<b>Natural Killer Cells</b>	
Microinvasive Nd:YAG Laser Therapy of Early Glottic Carcinoma and Its Effect on Soluble Interleukin-2 Receptor, Interleukin-2, and Natural Killer Cells—Lai, J-P, Tao, Z-D, et al ..	1585
<b>Natural Ostium</b>	
Surgical Anatomy of the Natural Ostium of the Sphenoid Sinus—Kim, H-U, Kim, S-S, et al ..	1599
<b>Nausea and Vomiting</b>	
Use of Dexamethasone on the Prophylaxis of Nausea and Vomiting After Tympanomastoid Surgery—Liu, Y-H, Li, M-J, et al ..	1271
<b>Nd:YAG Laser Therapy</b>	
Microinvasive Nd:YAG Laser Therapy of Early Glottic Carcinoma and Its Effect on Soluble Interleukin-2 Receptor, Interleukin-2, and Natural Killer Cells—Lai, J-P, Tao, Z-D, et al ..	1585
<b>Neck, Head and; see Head and Neck entries Neck Dissection</b>	
Endoscopic Neck Dissection in Human Cadavers—Dulguerov, P, Leuchter, I, et al ..	2135
<b>Neonatal Subglottic Stenosis</b>	
Neonatal Subglottic Stenosis—Incidence and Trends—Walner, DL, Loewen, MS, et al ..	48
<b>Neoplasms</b>	
Second Malignant Neoplasms in Patients Under 40 Years of Age with Laryngeal Cancer—Albright, JT, Karpati, R, et al ..	563
<b>Neoplasms; see also Cancer; Carcinoma; Malignancy; Tumors</b>	
<b>Nerve Regeneration</b>	
Functional Study of Four Neurotoxins as Inhibitors of Post-Traumatic Nerve Regeneration—Paydarfar, JA, Paniello, RC ..	844
<b>Neuroma, Facial Nerve</b>	
Intratemporal Facial Nerve Neuroma: Anatomical Location and Radiological Features—Kertesz, TR, Shelton, C, et al ..	1250
<b>Neuronal and Hair Cell Toxicity</b>	
Candidate's Thesis: L-N-Acetyl-Cysteine Protection Against Cisplatin-Induced Auditory Neuronal and Hair Cell Toxicity—Feghali, JG, Liu, W, et al ..	1147
<b>Neuropathy, Auditory</b>	
Cochlear Implants in Five Cases of Auditory Neuropathy: Postoperative Findings and Progress—Shalloo, JK, Peterson, A, et al ..	555
<b>Neuropsychiatric Disorders</b>	
Pediatric Autoimmune Neuropsychiatric Disorders and Streptococcal Infections: Role of Otolaryngologist—Orvidas, LJ, Slaterry, MJ ..	1515
<b>Neurotoxins</b>	
Functional Study of Four Neurotoxins as Inhibitors of Post-Traumatic Nerve Regeneration—Paydarfar, JA, Paniello, RC ..	844
<b>Nitric Oxide</b>	
Nasal Nitric Oxide and the Nasal Cycle—Qian, W, Sabo, R, et al ..	1603
Nitric Oxide Contributes to Control of Effusion in Experimental Otitis Media—Ryan, AF, Bennett, T ..	301
Nitric Oxide Improves Cisplatin Cytotoxicity in Head and Neck Squamous Cell Carcinoma—Azizzadeh, B, Yip, HT, et al ..	1896
Regulation of Mucociliary Motility by Nitric Oxide and Expression of Nitric Oxide Synthase in the Human Sinus Epithelial Cells—Kim, J-W, Min, Y-G, et al ..	246
<b>nm23-H1</b>	
Expression of p16, nm23-H1, E-cadherin, and CD44 Gene Products and Their Significance in Nasopharyngeal Carcinoma—Huang, G-W, Mo, W-N, et al ..	1465
<b>Non-Hodgkin's Lymphoma</b>	
Hodgkin's and Non-Hodgkin's Lymphoma of the Head and Neck—Urquhart, A, Berg, R ..	1565
<b>Non-Laryngeal Tumors of Head and Neck</b>	
Vocal Function Following Radiation for Non-Laryngeal Versus Laryngeal Tumors of the Head and Neck—Fung, K, Yoo, J, et al ..	1920
<b>Nonmelanomatous Skin Tumors, Head and Neck</b>	

Photofrin-Mediated Photodynamic Therapy for Treatment of Aggressive Head and Neck Nonmelanomatous Skin Tumors in Elderly Patients—Schweitzer, VG ..	1091
<b>Non-Recurrent Inferior Laryngeal Nerve</b>	
Preoperative Computed Tomography Diagnosis of Non-Recurrent Inferior Laryngeal Nerve—Watanabe, A, Kawabori, S, et al ..	1756
<b>Nontuberculous Mycobacterial Adenitis</b>	
Nontuberculous Mycobacterial Adenitis of the Head and Neck in Children: Experience From a Tertiary Care Pediatric Center—Rahal, A, Abela, A, et al ..	1791
<b>Nonviral Cytokine Gene Therapy</b>	
Combination Nonviral Cytokine Gene Therapy for Head and Neck Cancer—Li, D, Zeiders, JW, et al ..	815
<b>Normal External Auditory Canal</b>	
Microbiology of Normal External Auditory Canal—Stroman, DW, Roland, PS, et al ..	2054
<b>Nucleus Contour Electrode Array</b>	
Nucleus Contour Electrode Array: A Radiological and Histological Study—Richter, B, Aschendorff, A, et al ..	508
<b>Nystagmus</b>	
Benign Positional Vertigo Without Detectable Nystagmus—Tirelli, G, D'Orlando, E, et al ..	1053
Role of Clonazepam in the Treatment of Idiopathic Downbeat Nystagmus—Young, Y-H, Huang, T-W ..	1490
<b>O</b>	
<b>Obstructive Sleep Apnea</b>	
Gastroesophageal Reflux and Obstructive Sleep Apnea—Senior, BA, Khan, M, et al ..	2144
<b>Obturation of Tracheoesophageal Fistula</b>	
Prosthetic Obturation of Tracheoesophageal Fistula—Zaki, HS, Studer, SP, et al ..	359
<b>Obturator, Surgical</b>	
Effective, Inexpensive, Temporary Surgical Obturator Following Maxillectomy—Ducic, Y ..	356
<b>Occult Carotid Artery Stenosis</b>	
Prevalence of Occult Carotid Artery Stenosis in Patients With Head and Neck Squamous Cell Carcinoma—Cote, CT, Goff, J, et al ..	2214
<b>Octreotide</b>	
Effects of Interferon- $\alpha$ -2b and Octreotide on Healing of Esophageal Corrosive Burns—Kaygusuz, I, Celik, O, et al ..	1999
<b>Office Myringoplasty</b>	
Office Myringoplasty With Alloderm—Saadat, D, Ng, M, et al ..	181
<b>Office Visit</b>	
Building the Powerful 10-Minute Office Visit: Part II. Beginning a Critical Literature Review—Neely, JG, Hartman, JM, et al ..	70
<b>Ogura Lecture</b>	
Ogura Lecture: Morphologic Correlates for Laryngeal Reinnervation—Gacek, RR ..	1871
<b>OK-432</b>	
Sclerotherapy With Picibanil (OK-432) for Congenital Lymphatic Malformation in the Head and Neck—Sung, M-W, Lee, D-W, et al ..	1430
<b>Olfaction</b>	
State of the Art Review: Olfaction and Its Alteration by Nasal Obstruction, Rhinitis, and Rhinosinusitis—Doty, RL, Mishra, A ..	409
<b>Olfactory Epithelium Grafts</b>	
Olfactory Epithelium Grafts in the Cerebral Cortex: An Immunohistochemical Analysis—Holbrook, EH, DiNardo, LJ, et al ..	1964
<b>Olfactory Loss, Conductive</b>	
Diagnosis of a Conductive Olfactory Loss—Seiden, AM, Duncan, HJ ..	9
<b>Omeprazole</b>	
Evaluation of Omeprazole in the Treatment of Reflux Laryngitis: A Prospective Placebo-Controlled Randomized Double-Blind Study—Noordzij, JP, Khidir, A, et al ..	2147
<b>Oncologic Surgery, Head and Neck</b>	
Temporalis Muscle Flap for Reconstruction After Head and Neck Oncologic Surgery—Hanasono, MM, Utley, DS, et al ..	1719
<b>Open Tracheostomy</b>	
Bedside Tracheostomy in the Intensive Care Unit: A Prospective Randomized Trial Comparing Open Surgical Tracheostomy With Endoscopically Guided Percutaneous Dilational Tracheotomy—Massick, DD, Yao, S, et al ..	494
<b>Open Tracheotomy</b>	
Cost/Benefit Analysis of Open Tracheotomy, in the OR and at the Bedside, With Percutaneous Tracheotomy—Levin, R, Trivikram,	

L .....	1169
<b>Operating Room</b>	
Cost/Benefit Analysis of Open Tracheotomy, in the OR and at the Bedside, With Percutaneous Tracheotomy—Levin, R, Trivikram, L .....	1169
<b>Optic Nerve Decompression</b>	
Optic Nerve Decompression in the Comatose and Conscious Patients After Trauma—Lübben, Björn, Stoll, W, et al .....	320
<b>Oral Cavity Cancer</b>	
Technetium 99m Single Positron Emission Computed Tomography Scanning for Assessing Mandible Invasion in Oral Cavity Cancer—Imola, MJ, Gapany, M, et al .....	373
<b>Oral Feeding, Early</b>	
Candidate's Thesis: Early Oral Feeding Following Total Laryngectomy—Medina, JE, Khafif, A .....	368
<b>Oral Squamous Cell Carcinoma</b>	
Pulsed-Dye Laser and Retinoic Acid Delay Progression of Oral Squamous Cell Carcinoma: A Murine Model—Shah, RK, Valez, TA, et al .....	1203
<b>Orbicularis Oculi Muscle</b>	
Cortical Representation of the Orbicularis Oculi Muscle as Assessed by Transcranial Magnetic Stimulation (TMS)—Roedel, RMW, Laskawi, R, et al .....	2005
<b>Orbital Floor, Medial</b>	
Candidate's Thesis: A Stepwise Surgical Technique Using the Medial Orbital Floor as the Key Landmark in Performing Endoscopic Sinus Surgery—Casiano, RR .....	964
<b>Orbital Reconstruction</b>	
Three-Dimensional Alloplastic Orbital Reconstruction in Skull Base Surgery—Ducic, Y .....	1306
<b>Organ Preservation Therapy</b>	
Free Tissue Reconstruction of the Hypopharynx After Organ Preservation Therapy: Analysis of Wound Complications—Teknos, TN, Myers, LL, et al .....	1192
<b>Organ Transplant Recipients</b>	
Adenotonsillar Hypertrophy and Epstein-Barr Virus in Pediatric Organ Transplant Recipients—Shapiro, NL, Strocker, AM ..	997
<b>Oromandibular Defects</b>	
Use of Palatal Island Flaps as an Adjunct to Microvascular Free Tissue Transfer for Reconstruction of Complex Oromandibular Defects—Ducic, Y, Herford, AS .....	1666
<b>Ossseous Tissue Engineering</b>	
Candidate's Thesis: Osseous Tissue Engineering With Gene Therapy for Facial Bone Reconstruction—Lindsey, WH .....	1128
<b>Osteogenesis, Distraction, of Mandible</b>	
Candidate's Thesis: Distraction Osteogenesis of the Mandible for Airway Obstruction in Children—Sidman, JD, Sampson, D, et al .....	1137
<b>Osteoma, Ethmoid</b>	
Giant Ethmoid Osteoma With Orbital Extension, a Nasoendoscopic Approach Using an Intranasal Drill—Huang, H-M, Liu, C-M, et al .....	430
<b>Osteoplastic Flap, Frontal</b>	
Management of Cranial Defects After Frontal Osteoplastic Flap—Rubinstein, B, Strong, EB .....	541
<b>Osteoradionecrosis, Skull Base</b>	
Differentiation of Recurrent Nasopharyngeal Carcinoma and Skull Base Osteoradionecrosis by Epstein-Barr Virus-Derived Latent Membrane Protein-1 Gene—Hao, S-P, Tsang, N-M, et al .....	650
<b>Osteotomy</b>	
External Osteotomy in Rhinoplasty—Giacomarra, V, Russolo, M, et al .....	433
<b>Ostium, Natural</b>	
Surgical Anatomy of the Natural Ostium of the Sphenoid Sinus—Kim, H-U, Kim, S-S, et al .....	1599
<b>Otic Drops</b>	
Determination of Ototoxicity of Common Otis Drops Using Isolated Cochlear Outer Hair Cells—Jinn, TH, Kim, PD, et al .....	2105
<b>Otitis Media</b>	
Candidate's Thesis: Direct Evidence of Bacterial Biofilms in Otitis Media—Post, JC .....	2083
Chronic Otitis Media Sequelae in Skeletal Material From Medieval Denmark—Qvist, M, Grontved, AM .....	114
Effect of Tumor Necrosis Factor- $\alpha$ on Experimental Otitis Media With Effusion—Lee, D-H, Park, Y-S, et al .....	728
Evaluation of the Effect of Passive Smoking on Otitis Media in Children by an Objective Method: Urinary Cotinine Analysis—Ilicali, OC, Keles, Nesil, et al .....	163
Histopathological Changes of Chorda Tympani in Chronic Otitis Media—Gedikli, O, Dogru, H, et al .....	724
How Does Endotoxin Trigger Inflammation in Otitis Media With Effusion?—Schousboe, LP, Ovesen, T, et al .....	297
Management of Chronic Otitis Media With Effusion: The Role of	
Glutathione—Testa, B, Testa, D, et al .....	1486
Nitric Oxide Contributes to Control of Effusion in Experimental Otitis Media—Ryan, AF, Bennett, T .....	301
<b>Otitis-Prone Children</b>	
Cochlear Implantation in Healthy and Otitis-Prone Children: A Prospective Study—Luntz, M, Teszler, CB, et al .....	1614
<b>Otoacoustic Emissions</b>	
Candidate's Thesis: Distortion-Product Otoacoustic Emissions and Cochlear Microphonics: Relationships in Patients With and Without Endolymphatic Hydrops—Fetterman, BL .....	946
Distortion-Product Otoacoustic Emissions and Glycerol Testing in Endolymphatic Hydrops—Magliulo, G, Cianfrone, G, et al ...	102
Spontaneous Otoacoustic Emissions in Humans With Endolymphatic Hydrops—Haginomori, S-I, Makimoto, K, et al .....	96
<b>Otolaryngologist</b>	
Pediatric Autoimmune Neuropsychiatric Disorders and Streptococcal Infections: Role of Otolaryngologist—Orvidas, LJ, Slattery, MJ .....	1515
Phonoscopy—A Valuable Tool for Otolaryngologists and Speech-Language Pathologists in the Management of Dysphonic Patients—Leonard, R, Kendall, K .....	1760
<b>Otolaryngology</b>	
Candidate's Thesis: Electrosurgery in Otolaryngology—Head and Neck Surgery: Principles, Advances, and Complications—Smith, TL, Smith, JM .....	769
Clinical State of the Art Review: Botulinum Toxin: Basic Science and Clinical Uses in Otolaryngology—Blitzer, A, Sulica, L .....	218
Commentary: Rise of Medical Specialization and Organizations Affecting Otolaryngology—Goldstein, JC .....	1119
Historical Vignette: Jazz and Otolaryngology: The Death of Guitarist Eddie Lang—Mandell, DL .....	1980
Presidential Address: Hermann von Helmholtz: A Giant of Science Who Cast His Shadow on Otolaryngology—Applebaum, EL ..	937
State of the Art Review: Complementary and Alternative Medicine in Otolaryngology—Asher, BF, Seidman, M, et al .....	1383
<b>Otolaryngology Consultation Service</b>	
Improving the Otolaryngology Consultation Service in a Teaching Hospital—Carr, MM .....	1166
<b>Otology</b>	
Otological Manifestations of Churg-Strauss Syndrome—Ishiyama, A, Canalis, RF .....	1619
<b>OtoScan Laser-Assisted Myringotomy</b>	
Atypical Indications for OtoScan Laser-Assisted Myringotomy—Bent, JP, April, MM, et al .....	87
<b>Ototoxicity</b>	
Aminoglycoside Ototoxicity: A Human Temporal Bone Study—Hinojosa, R, Nelson, EG, et al .....	1797
Determination of Ototoxicity of Common Otis Drops Using Isolated Cochlear Outer Hair Cells—Jinn, TH, Kim, PD, et al .....	2105
<b>Overbite, Dental</b>	
Relationship Between Dental Overbite and Eustachian Tube Dysfunction—McDonnell, JP, Needleman, HL, et al .....	310
<b>Oxygen Diving</b>	
Can Eustachian Tube Ventilatory Function Impairment After Oxygen Diving Be Influenced by Application of Free Radical Scavenger Vitamins C and E?—Mutzbauer, TS, Neubauer, B, et al .....	861
<b>Oxygen-Helium Mixtures</b>	
Use of Helium-Oxygen Mixtures to Relieve Upper Airway Obstruction in a Pediatric Population—Grosz, AH, Jacobs, IN, et al .....	1512

## P

### p16

Expression of p16, nm23-H1, E-cadherin, and CD44 Gene Products and Their Significance in Nasopharyngeal Carcinoma—Huang, G-W, Mo, W-N, et al .....

### p27

Cyclin-Dependent Kinase Inhibitor, p27 (KIP1), Is Associated With Cholesteatoma—Bayazit, YA, Karakok, M, et al .....

### p53

All-trans-retinoic Acid Enhances the Effect of Adenovirus-Mediated Wild-Type p53 Gene Transfer in Head and Neck Squamous Cell Carcinoma—Nakashima, T, Sun, S-Y, et al .....

Candidate's Thesis: p53 and Ki-67 as Outcome Predictors for Advanced Squamous Cell Cancers of the Head and Neck Treated With Chemoradiotherapy—Lavertu, P, Adelstein, DJ .....

Human Papilloma Virus and p53 Expression in Carcinomas Associated With Sinonasal Papillomas: A Danish Epidemiological Study 1980–1998—Buchwald, C, Lindeberg, H, et al .....

Overexpression of p53-Related Proteins Predicts Rapid Growth Rate

of Head and Neck Cancer—Edström, S, Cvetkovska, E, et al .....	124
Prospective Study of p53 Expression and Its Correlation With Clinical Response of Radiotherapy in Nasopharyngeal Carcinoma—Ho, K-Y, Kuo, W-R, et al .....	131
<b>Pain</b>	
Autologous Fibrin Sealant Reduces Pain After Tonsillectomy—Gross, CW, Gallagher, R, et al .....	259
Tonsillectomy With Argon Plasma Coagulation (APC): Evaluation of Pain and Hemorrhage—Bergler, W, Huber, K, et al .....	1423
<b>Pain, Facial</b>	
Endoscopy-Negative, Computed Tomography-Negative Facial Pain in a Nasal Clinic—West, B, Jones, NS .....	581
<b>Pain, Postoperative</b>	
Improved Postoperative Pain Control in Pediatric Adenotonsillectomy With Dextromethorphan—Dawson, GS, Seidman, P, et al .....	1223
<b>Pain, Post-Tonsillectomy</b>	
Relief of Post-Tonsillectomy Pain by Release of Lidocaine From Fibrin Glue—Kitajiri, S-i, Tabuchi, K, et al .....	642
<b>Palatal Island Flaps</b>	
Use of Palatal Island Flaps as an Adjunct to Microvascular Free Tissue Transfer for Reconstruction of Complex Oromandibular Defects—Ducic, Y, Herford, AS .....	1666
<b>Palate, Soft</b>	
Lipoinjection Augmentation of the Soft Palate for Velopharyngeal Stress Incompetence—Klotz, DA, Howard, J, et al .....	2157
<b>Palate Paralysis</b>	
Unilateral Palate Paralysis in Patients With Nasopharyngeal Carcinoma: Imaging and Clinical Correlations—Su, C-Y, Lui, C-C .....	645
<b>Palsy, Facial</b>	
Western Blot Analysis for Diagnosis of Lyme Disease in Acute Facial Palsy—Furuta, Y, Kawabata, H, et al .....	719
<b>p75NTR</b>	
Expression of p75NTR and Its Associated Protein NADE in the Rat Cochlea—Sano, H, Mukai, J, et al .....	535
<b>Papilloma</b>	
CO <sub>2</sub> Laser Treatment in 244 Patients With Respiratory Papillomas—Dedo, HH, Yu, CY .....	1639
Evolution in the Management of Sinonasal Inverting Papilloma—Han, JK, Smith, TL, et al .....	1395
Human Papilloma Virus and p53 Expression in Carcinomas Associated With Sinonasal Papillomas: A Danish Epidemiological Study 1980–1998—Buchwald, C, Lindeberg, H, et al .....	1104
Inverted Papilloma: A Review of 53 Cases—Thorp, MA, Oyarzabal-Amigo, MF, et al .....	1401
Powered Instrument Papilloma Excision: An Alternative to Laser Therapy for Recurrent Respiratory Papilloma—Parsons, DS, Bothwell, MR .....	1494
<b>Papilloma Virus, Human</b>	
Human Papilloma Virus and p53 Expression in Carcinomas Associated With Sinonasal Papillomas: A Danish Epidemiological Study 1980–1998—Buchwald, C, Lindeberg, H, et al .....	1104
<b>Papillomatosis, Respiratory</b>	
Predictive Value of Serum Interleukins in Recurrent Respiratory Papillomatosis: A Preliminary Study—Snowden, RT, Thompson, J, et al .....	404
Recurrent Respiratory Papillomatosis—Derkay, CS .....	57
<b>Paraganglioma</b>	
Proportion of Heritable Paraganglioma Cases and Associated Clinical Characteristics—Drovdic, CM, Myers, EN, et al .....	1822
<b>Paralysis, Canine Vocal Fold</b>	
Histology of Injected Autologous Fascia in the Paralyzed Canine Vocal Fold—Reijnen, P, Leivo, I, et al .....	1068
<b>Paralysis, Eyelid</b>	
Early Versus Late Gold Weight Implantation for Rehabilitation of the Paralyzed Eyelid—Snyder, MC, Johnson, PJ, et al .....	2109
<b>Paralysis, Palate</b>	
Unilateral Palate Paralysis in Patients With Nasopharyngeal Carcinoma: Imaging and Clinical Correlations—Su, C-Y, Lui, C-C .....	645
<b>Paralysis, Vocal Cord</b>	
Arytenoid Appearance and Vertical Level Difference Between the Paralyzed and Innervated Vocal Cords—Hong, KH, Jung, KS .....	227
<b>Parathyroid Adenomas</b>	
Intraoperative Gamma Probe Localization of Parathyroid Adenomas—Sullivan, DP, Scharf, SC, et al .....	912
<b>Parathyroid Cysts</b>	
Parathyroid Cysts: A Case Report and Review of the Literature—Fortson, JK, Patel, VG, et al .....	1726
Parathyroid Cysts: Diagnosis and Management—Ihm, PS, Dray, T,	

et al .....	1576
<b>Parathyroids</b>	
Methylene Blue and Sestamibi: Complementary Tools for Localizing Parathyroids—Orloff, LA .....	1901
<b>Paresis, Vocal Fold</b>	
Unilateral or Localized Reinke's Edema (Pseudocyst) as a Manifestation of Vocal Fold Paresis: The Paresis Podule—Koufman, JA, Belafsky, PC .....	576
<b>Paresis Podule</b>	
Unilateral or Localized Reinke's Edema (Pseudocyst) as a Manifestation of Vocal Fold Paresis: The Paresis Podule—Koufman, JA, Belafsky, PC .....	576
<b>Parotid Gland</b>	
Histopathology of Pleomorphic Adenoma in the Parotid Gland: A Prospective Unselected Series of 100 Cases—Stennert, E, Guntinas-Lichius, O, et al .....	2195
Mandibular and Temporomandibular Joint Arthropathy in the Differential Diagnosis of the Parotid Mass—Klenoff, JR, Lowlicht, RA, et al .....	2162
Value of Fine-Needle Aspiration Cytology of Parotid Gland Masses—Zbären, P, Schär, C, et al .....	1989
<b>Parotid Sialendoscopy</b>	
Specificity of Parotid Sialendoscopy—Marchal, F, Dulguerov, P, et al .....	264
<b>Parotid Surgery</b>	
Water-Jet Dissection in Parotid Surgery: An Experimental Study in Dogs—Magritz, R, Jurk, V, et al .....	1579
<b>Parotid Tumors</b>	
Preoperative Computed Tomography Scans for Parotid Tumor Evaluation—Urquhart, A, Hutchins, LG, et al .....	1984
<b>Paroxysmal Positional Vertigo, Benign</b>	
Benign Paroxysmal Positional Vertigo After Stapedectomy—Atacan, E, Sennaroglu, L, et al .....	1257
<b>Partial Frontolateral Laryngectomy</b>	
Partial Frontolateral Laryngectomy With Epiglottic Reconstruction for Management of Early-Stage Glottic Carcinoma—Giovanni, A, Guelfucci, B, et al .....	663
<b>Partial Laryngectomy, Supracricoid</b>	
Candidate's Thesis: Laryngeal Preservation With Supracricoid Partial Laryngectomy Results in Improved Quality of Life When Compared With Total Laryngectomy—Weinstein, GS, El-Sawy, MM, et al .....	191
<b>Partially Implantable Hearing Aid</b>	
Verification of Improved Patient Outcomes With a Partially Implantable Hearing Aid, The SOUNDTEC Direct Hearing System—Roland, PS, Shoup, AG, et al .....	1682
<b>Passive Smoking</b>	
Evaluation of the Effect of Passive Smoking on Otitis Media in Children by an Objective Method: Urinary Cotinine Analysis—Ilicali, OC, Keles, Nesil, et al .....	163
<b>Patient Outcomes</b>	
Verification of Improved Patient Outcomes With a Partially Implantable Hearing Aid, The SOUNDTEC Direct Hearing System—Roland, PS, Shoup, AG, et al .....	1682
<b>Patient-Based Hearing Status</b>	
Outcomes and Patient-Based Hearing Status in Conductive Hearing Loss—Stewart, MG .....	Supplement No. 98
<b>Patient-Graded Instrument</b>	
Validation of a Patient-Graded Instrument for Facial Nerve Paralysis: The FaCE Scale—Kahn, JB, Gliklich, RE, et al .....	387
<b>Pectoralis Major Myocutaneous Flap</b>	
Hypopharyngeal Reconstruction Using Pectoralis Major Myocutaneous Flap and Pre-Vertebral Fascia—Spriano, G, Piantanida, R, et al .....	544
<b>Pediatric Patients</b>	
Adenotonsillar Hypertrophy and Epstein-Barr Virus in Pediatric Organ Transplant Recipients—Shapiro, NL, Strocker, AM .....	997
Autoimmune Sensorineural Hearing Loss in Young Patients: An Exploratory Study—Tomasi, J-P, Lona, A, et al .....	2050
Bilateral Lateral Rhinotomy Incisions for Medial Maxillectomies in the Management of Pediatric Invasive Fungal Sinusitis—Malhotra, PS, Danahey, D, et al .....	1960
Candidate's Thesis: Distraction Osteogenesis of the Mandible for Airway Obstruction in Children—Sidman, JD, Sampson, D, et al .....	1137
Cochlear Implantation in Healthy and Otitis-Prone Children: A Prospective Study—Luntz, M, Teszler, CB, et al .....	1614
Complications in Pediatric Tracheostomies—Carr, MM, Poje, CP, et al .....	1925
Evaluation of the Effect of Passive Smoking on Otitis Media in Children by an Objective Method: Urinary Cotinine Analysis—Ilicali, OC, Keles, Nesil, et al .....	163
Improved Postoperative Pain Control in Pediatric	



Adenotonsillectomy With Dextromethorphan—Dawson, GS, Seidman, P, et al .....	1223
Incidence of Reflux in Young Children Undergoing Adenoidectomy—Carr, MM, Poje, CP, et al .....	2170
Management of Acute Pulmonary Hemorrhage in Children—Sidman, JD, Wheeler, WB, et al .....	33
Nontuberculous Mycobacterial Adenitis of the Head and Neck in Children: Experience From a Tertiary Care Pediatric Center—Rahal, A, Abela, A, et al .....	1791
Outcome Analysis of Cochlear Implant Reimplantation in Children—Parisier, SC, Chute, PM, et al .....	26
Pediatric Adenoidectomy Under Vision Using Suction-Diathermy Ablation—Walker, P .....	2173
Pediatric Autoimmune Neuropsychiatric Disorders and Streptococcal Infections: Role of Otolaryngologist—Orvidas, LJ, Slattery, MJ .....	1515
Pediatric Fluctuating Sensorineural Hearing Loss: Problems in Medical Management—Dinces, EA, Yang, S, et al .....	21
Pediatric Laser-Assisted Tympanostomy—Silverstein, H, Jackson, LE, et al .....	905
Prevention of Vomiting After Tonsillectomy in Children: Granisetron Versus Ramosetron—Fujii, Y, Saitoh, Y, et al .....	255
Progressive Sensorineural Hearing Loss in Children With Mitochondrial Encephalomyopathies—Zwirner, P, Wilchowski, E .....	515
Real-Time Cine Magnetic Resonance Imaging for Evaluation of the Pediatric Airway—Faust, RA, Remley, KB, et al .....	2187
Surgical Management of Retropharyngeal Space Infections in Children—Kirse, DJ, Roberson, DW .....	1413
Timing of Endoscopic Sinus Surgery in Children: Is There an Impact on Outcome?—Ramadan, HH .....	1709
Use of Helium-Oxygen Mixtures to Relieve Upper Airway Obstruction in a Pediatric Population—Grosz, AH, Jacobs, IN, et al .....	1512
<b>Pediatric Swallow</b>	
Functional Magnetic Resonance Imaging of the Pediatric Swallow: Imaging the Cortex and the Brainstem—Hartnick, CJ, Rudolph, C, et al .....	1183
<b>Percutaneous Dilational Tracheotomy</b>	
Bedside Tracheostomy in the Intensive Care Unit: A Prospective Randomized Trial Comparing Open Surgical Tracheostomy With Endoscopically Guided Percutaneous Dilational Tracheotomy—Massick, DD, Yao, S, et al .....	494
<b>Percutaneous Endoscopic Gastrostomy</b>	
Percutaneous Endoscopic Gastrostomy: Strategies for Prevention and Management of Complications—Lin, H-S, Ibrahim, HZ, et al .....	1847
<b>Percutaneous Medialization</b>	
Immediate Percutaneous Medialization for Acute Vocal Fold Immobility With Aspiration—Anderson, TD, Mirza, N .....	1318
<b>Percutaneous Tracheotomy</b>	
Cost/Benefit Analysis of Open Tracheotomy, in the OR and at the Bedside, With Percutaneous Tracheotomy—Levin, R, Trivikram, L .....	1169
<b>Perennial Nasal Allergy</b>	
Argon Plasma Surgery for the Inferior Turbinate of Patients With Perennial Nasal Allergy—Fukazawa, K, Ogasawara, H, et al .....	147
<b>Perimodiolar Electrode Array</b>	
Cochlear Structures After Implantation of a Perimodiolar Electrode Array—Richter, B, Jaekel, K, et al .....	837
<b>Perineural Invasion</b>	
Tumor Deposition of Laminin-5 and the Relationship With Perineural Invasion—Anderson, TD, Feldman, M, et al .....	2140
<b>pH</b>	
Ambulatory 24-Hour Double-Probe pH Monitoring: The Importance of Manometry—Johnson, PE, Koufman, JA, et al .....	1970
Enhancement of Delta Aminolevulinic Acid-Photodynamic Therapy in vivo by Decreasing Tumor pH With Glucose and Amiloride—Piot, B, Rousset, N, et al .....	2205
Symptoms, Laryngeal Findings, and 24-Hour pH Monitoring in Patients With Suspected Gastroesophago-Pharyngeal Reflux—Ylitalo, R, Lindstedt, P-A, et al .....	1735
<b>Pharyngeal Defects</b>	
Reconstruction of Pharyngeal Defects Using AlloDerm and Sternocleidomastoid Muscle Flap—Sinha, UK, Chang, KE, et al .....	1910
<b>Pharyngocutaneous Fistula</b>	
Prosthetic Management of Pharyngocutaneous Fistula by Means of a Salivary Conduit—Zaki, HS, Kharchaf, M, et al .....	548
<b>Pharyngoesophageal Reconstruction, Radial Forearm Free Flap</b>	
Radial Forearm Free Flap Pharyngoesophageal Reconstruction—Azzadeh, B, Yafai, S, et al .....	807
<b>Phones, Mobile</b>	
Local Vasodilator Response to Mobile Phones—Paredi, P, Kharitonov, SA, et al .....	159
<b>Phonoscopy</b>	
Phonoscopy—A Valuable Tool for Otolaryngologists and Speech-Language Pathologists in the Management of Dysphonic Patients—Leonard, R, Kendall, K .....	1760
<b>Phonosurgery</b>	
Autologous Transplantation of Fascia Into the Vocal Fold: Long-Term Results of a New Phonosurgical Technique for Glottal Incompetence—Tsunoda, K, Baer, T, et al .....	453
Phonosurgical Reconstruction of Early Glottic Cancer—Zeitels, SM, Jarboe, J, et al .....	1862
<b>Photodynamic Therapy</b>	
Enhancement of Delta Aminolevulinic Acid-Photodynamic Therapy in vivo by Decreasing Tumor pH With Glucose and Amiloride—Piot, B, Rousset, N, et al .....	2205
Photofrin-Mediated Photodynamic Therapy for Treatment of Aggressive Head and Neck Nonmelanomatous Skin Tumors in Elderly Patients—Schweitzer, VG .....	1091
<b>Photofrin-Mediated Photodynamic Therapy</b>	
Photofrin-Mediated Photodynamic Therapy for Treatment of Aggressive Head and Neck Nonmelanomatous Skin Tumors in Elderly Patients—Schweitzer, VG .....	1091
<b>Physical Therapy</b>	
Physical Therapy Outcomes for Persons With Bilateral Vestibular Loss—Brown, KE, Whitney, SL, et al .....	1812
<b>Picibanil</b>	
Sclerotherapy With Picibanil (OK-432) for Congenital Lymphatic Malformation in the Head and Neck—Sung, M-W, Lee, D-W, et al .....	1430
<b>Plastic Surgery, Facial</b>	
Resorbable Fixation in Facial Plastic and Head and Neck Reconstructive Surgery: An Initial Report on Poly(lactic Acid) Implants—Moe, KS, Weisman, RA .....	1697
<b>Pleomorphic Adenoma</b>	
Histopathology of Pleomorphic Adenoma in the Parotid Gland: A Prospective Unselected Series of 100 Cases—Stennert, E, Guntinas-Lichius, O, et al .....	2195
<b>Poly(lactic Acid) Implants</b>	
Resorbable Fixation in Facial Plastic and Head and Neck Reconstructive Surgery: An Initial Report on Poly(lactic Acid) Implants—Moe, KS, Weisman, RA .....	1697
<b>Polymerase Chain Reaction</b>	
Detection of Fungi in the Nasal Mucosa Using Polymerase Chain Reaction—Catten, MD, Murr, AH, et al .....	399
<b>Polyp, Antrochoanal</b>	
Endoscopic Removal of the Antral Portion of Antrochoanal Polyp by Powered Instrumentation—Hong, SK, Min, Y-G, et al .....	1774
<b>Polytetrafluoroethylene, Expanded</b>	
Complications of Static Facial Suspensions With Expanded Polytetrafluoroethylene (ePTFE)—Constantinides, M, Galli, SKD, et al .....	2114
<b>Porcine Model</b>	
Aesthetic Comparison of Wound Closure Techniques in a Porcine Model—Tritle, NM, Haller, JR, et al .....	1949
Histologic Analysis of Three-Dimensional Versus Two-Dimensional Tissue Expansion in the Porcine Model—Alex, JC, Bhattacharyya, TK, et al .....	36
<b>Portal Venous Ultraviolet B Irradiated Donor Alloantigen</b>	
Pretreatment With Portal Venous Ultraviolet B Irradiated Donor Alloantigen Promotes Donor-Specific Tolerance to Rat Nerve Allografts—Genden, EM, Mackinnon, SE, et al .....	439
<b>Positional Vertigo, Benign</b>	
Benign Paroxysmal Positional Vertigo After Stapedectomy—Atacan, E, Sennaroglu, L, et al .....	1257
Benign Positional Vertigo Without Detectable Nystagmus—Tirelli, G, D'Orlando, E, et al .....	1053
<b>Positron Emission Computed Tomography Scanning</b>	
Technetium 99m Single Positron Emission Computed Tomography Scanning for Assessing Mandible Invasion in Oral Cavity Cancer—Imola, MJ, Gapan, M, et al .....	373
<b>Posterior Cricoid Splitting</b>	
Use of Buccal Mucosa Graft at Posterior Cricoid Splitting for Subglottic Stenosis Repair—Thomé, R, Thomé, DC, et al .....	2191
<b>Postoperative Pain</b>	
Improved Postoperative Pain Control in Pediatric Adenotonsillectomy With Dextromethorphan—Dawson, GS, Seidman, P, et al .....	1223
<b>Postoperative Vestibular Schwannoma</b>	
Implementation of a Clinical Pathway in Management of the Postoperative Vestibular Schwannoma Patient—Stidham, KR, Roberson, JB .....	1938

### **Post-Tonsillectomy Bleeding**

- Post-Tonsillectomy Bleeding: A Meta-Analysis—Krishna, P, Lee, D ..... 1358

### **Post-Tonsillectomy Pain**

- Relief of Post-Tonsillectomy Pain by Release of Lidocaine From Fibrin Glue—Kitajiri, S-i, Tabuchi, K, et al ..... 642

### **Post-Traumatic Nerve Regeneration**

- Functional Study of Four Neurotoxins as Inhibitors of Post-Traumatic Nerve Regeneration—Paydarfar, JA, Paniello, RC ..... 844

### **Posturography, Computer Dynamic**

- Predicting Fall Risks in an Elderly Population: Computer Dynamic Posturography Versus Electronystagmography Test Results—Girardi, M, Konrad, HR, et al ..... 1528

### **Potassium Recycling Pathways**

- Candidate's Thesis: Potassium Recycling Pathways in the Human Cochlea—Weber, PC, Cunningham, CD, et al ..... 1156

### **Pott's Puffy Tumor**

- Teaching Case: Pott's Puffy Tumor and Epidural Abscess Arising From Dental Sepsis: A Case Report—Chandy, B, Todd, J, et al .. 1732

### **Powered Instrumentation**

- Endoscopic Removal of the Antral Portion of Antrochoanal Polyp by Powered Instrumentation—Hong, SK, Min, Y-G, et al ..... 1774  
Powered Instrument Papilloma Excision: An Alternative to Laser Therapy for Recurrent Respiratory Papilloma—Parsons, DS, Bothwell, MR ..... 1494

### **Preauricular Fistula**

- Extirpation of Ruptured Preauricular Fistula—Shu, M-T, Lin, H-C ..... 924

### **Preauricular Sinus**

- Excision of the Preauricular Sinus: A Comparison of Two Surgical Techniques—Lam, HCK, Soo, G, et al ..... 317

### **Preoperative Assessment**

- Preoperative Functional Assessment of Auditory Cortex in Adult Cochlear Implant Users—Roland, PS, Tobey, EA, et al ..... 77

### **Preoperative Computed Tomography**

- Preoperative Computed Tomography Scans for Parotid Tumor Evaluation—Urquhart, A, Hutchins, LG, et al ..... 1984

### **Presbylarynges**

- Quantitative Analysis of Videostroboscopic Images in Presbylarynges—Bloch, I, Behrman, A ..... 2022

### **Presidential Address**

- Invited Presidential Lecture: Max Goldstein, MD: His Continuing Influences on Our Specialty—Bailey, BJ ..... 1675  
Presidential Address: Hermann von Helmholtz: A Giant of Science Who Cast His Shadow on Otolaryngology—Applebaum, EL ..... 937

### **Pre-Vertebral Fascia**

- Hypopharyngeal Reconstruction Using Pectoralis Major Myocutaneous Flap and Pre-Vertebral Fascia—Spriano, G, Piantanida, R, et al ..... 544

### **Primary Acquired Cholesteatoma**

- Saddle Blanket Graft Tympanoplasty and Lateral Attic Wall Reconstruction for Defects Produced by Primary Acquired Cholesteatoma—Luetje, CM ..... 1497

### **Primary Malignancies**

- Delayed Regional Metastases, Distant Metastases, and Second Primary Malignancies in Squamous Cell Carcinomas of the Larynx and Hypopharynx—Spector, JG, Sessions, DG, et al ..... 1079

### **Prophylaxis**

- Role of Topical Antibiotic Prophylaxis in Patients Undergoing Contaminated Head and Neck Surgery With Flap Reconstruction—Simons, JP, Johnson, JT, et al ..... 329  
Use of Dexamethasone on the Prophylaxis of Nausea and Vomiting After Tympanomastoid Surgery—Liu, Y-H, Li, M-J, et al .. 1271

### **Prosthesis**

- Prosthetic Management of Pharyngocutaneous Fistula by Means of a Salivary Conduit—Zaki, HS, Kharchaf, M, et al ..... 548

### **Prosthesis, Grote**

- Teaching Case: Labyrinthine Fistula: An Unreported Complication of the Grote Prosthesis—Gadre, AK, Hammerschlag, PE ..... 796

### **Prosthesis, McGee Stapes**

- Long-Term Stapedectomy Results With the McGee Stapes Prosthesis—Raske, M, Welling, JD, et al ..... 2060

### **Prosthesis, Voice**

- Alternative Voice After Laryngectomy Using a Sound-Producing Voice Prosthesis—van der Torn, M, de Vries, MP, et al ..... 336

### **Protein-1 Gene**

- Differentiation of Recurrent Nasopharyngeal Carcinoma and Skull Base Osteoradionecrosis by Epstein-Barr Virus-Derived Latent Membrane Protein-1 Gene—Hao, S-P, Tsang, N-M, et al ..... 650

### **Proteins, Apoptosis-Related**

- Expression of Apoptosis-Related Proteins in the Aged Cochlea of Mongolian Gerbils—Alam, SA, Oshima, T, et al ..... 528

### **Proteins, Motility-Related**

- Motility-Related Proteins as Markers for Head and Neck Squamous Cell Cancer—Abraham, MT, Kuriakose, A, et al ..... 1285

### **Proteins, NADE**

- Expression of p75NTR and Its Associated Protein NADE in the Rat Cochlea—Sano, H, Mukai, J, et al ..... 535

### **Proteins, p53-Related**

- Overexpression of p53-Related Proteins Predicts Rapid Growth Rate of Head and Neck Cancer—Edström, S, Cvetkovska, E, et al ..... 124

### **Pseudocyst**

- Unilateral or Localized Reinke's Edema (Pseudocyst) as a Manifestation of Vocal Fold Paresis: The Paresis Podule—Koufman, JA, Belafsky, PC ..... 576

### **Pseudo-Random Rotational Chair Testing**

- Does High-Frequency Pseudo-Random Rotational Chair Testing Increase the Diagnostic Yield of the ENG Caloric Test in Detecting Bilateral Vestibular Loss in the Dizzy Patient?—Kaplan, DM, Marais, J, et al ..... 959

### **Pseudosulcus, Laryngeal**

- Laryngeal Pseudosulcus as a Predictor of Laryngopharyngeal Reflux—Hickson, C, Simpson, B, et al ..... 1742

### **Pseudotumor of Infancy**

- Pseudotumor of Infancy and Congenital Muscular Torticollis: 170 Cases—Wei, JL, Schwartz, KM, et al ..... 688

### **Pulmonary Hemorrhage, Acute**

- Management of Acute Pulmonary Hemorrhage in Children—Sidman, JD, Wheeler, WB, et al ..... 33

### **Pulsed-Dye Laser**

- Pulsed-Dye Laser and Retinoic Acid Delay Progression of Oral Squamous Cell Carcinoma: A Murine Model—Shah, RK, Valez, TA, et al ..... 1203

### **Purpura, Facial**

- Facial Purpura—Goldman, AC, Govindaraj, S, et al ..... 207

### **Putative Vomeronasal Organ**

- Frequency and Localization of the Putative Vomeronasal Organ in Humans in Relation to Age and Gender—Knecht, M, Kühnau, D, et al ..... 448

## **Q**

### **Quality of Life**

- Base-of-Tongue Cancer: Survival, Function, and Quality of Life After External-Beam Irradiation and Brachytherapy—Robertson, ML, Gleich, LL, et al ..... 1362  
Bone-Anchored Hearing Aid Quality of Life Assessed by Glasgow Benefit Inventory—Arunachalam, PS, Kilby, D, et al ..... 1260  
Candidate's Thesis: Laryngeal Preservation With Supracricoid Partial Laryngectomy Results in Improved Quality of Life When Compared With Total Laryngectomy—Weinstein, GS, El-Sawy, MM, et al ..... 191  
Health-Related Quality of Life in Patients With Laryngeal Cancer: A Post-Treatment Comparison of Different Modes of Communication—Finizia, C, Bergman, B ..... 918  
Prospective Study of Quality of Life in Head and Neck Cancer Patients. Part II: Longitudinal Data—Björndal, K, Ahlner-Elmqvist, M, et al ..... 1440  
A Prospective Study of Quality of Life in Head and Neck Cancer Patients. Part I: At Diagnosis—Hammerlid, E, Björndal, K, et al ..... 669  
Quality of Life After Treatment for Advanced Laryngeal and Hypopharyngeal Cancer—Major, MS, Bumpous, JM, et al .. 1379

## **R**

### **rAAV-GFP**

- Remote Delivery of rAAV-GFP to the Rat Brainstem Through the Recurrent Laryngeal Nerve—Rubin, AD, Hogikyan, ND, et al ..... 2041

### **Rabbit Model**

- Inhibition of Motor Nerve Regeneration in a Rabbit Facial Nerve Model—Yian, CH, Paniello, RC, et al ..... 786  
Tracheal Transplantation: Cytological Changes Studied by Scanning and Transmission Electron Microscopy in the Rabbit—Zagalo, C, Grande, NR, et al ..... 657

### **Radial Forearm Fasciocutaneous Free Flaps**

- Prospective Comparison of Scalpel Versus Bipolar Scissors in the Elevation of Radial Forearm Fasciocutaneous Free Flaps—Wax, MK, Winslow, C, et al ..... 568

### **Radial Forearm Free Flap Pharyngoesophageal Reconstruction**

- Radial Forearm Free Flap Pharyngoesophageal Reconstruction—Azizzadeh, B, Yafai, S, et al ..... 807

### **Radiation**

- Submandibular Gland Transfer: A New Method of Preventing Radiation-Induced Xerostomia—Seikaly, H, Jha, N, et al ..... 347  
Vocal Function Following Radiation for Non-Laryngeal Versus Laryngeal Tumors of the Head and Neck—Fung, K, Yoo, J, et al ..... 1920

### **Radical Surgery**

- Significance of Retropharyngeal Node Dissection at Radical Surgery for Carcinoma of the Hypopharynx and Cervical Esophagus—Amatsu, M, Mohri, M, et al ..... 1099

### **Radicals, Free; see Free Radicals Radiofrequency**

- Changes of Nasal Function After Temperature-Controlled Radiofrequency Tissue Volume Reduction for the Turbinate—Rhee, C-S, Kim, D-Y, et al ..... 153  
Radiofrequency Ablation of Lymphangiomatous Macroglossia—Cable, BB, Mair, EA ..... 1859  
Radiofrequency Is a Safe and Effective Treatment of Turbinate Hypertrophy—Coste, A, Yona, L, et al ..... 894  
Radiofrequency Treatment of Turbinate Hypertrophy in Subjects Using Continuous Positive Airway Pressure: A Randomized Double-Blind Placebo-Controlled Clinical Pilot Trial—Powell, NB, Zonato, AI, et al ..... 1783  
Sleep-Disordered Breathing: Radiofrequency Thermal Ablation Is a Promising New Treatment Possibility—Bäck, L, Palomäki, M, et al ..... 464

### **Radiology**

- Intratemporal Facial Nerve Neuroma: Anatomical Location and Radiological Features—Kertesz, TR, Shelton, C, et al ..... 1250  
Nucleus Contour Electrode Array: A Radiological and Histological Study—Richter, B, Aschendorff, A, et al ..... 508

### **Radiotherapy**

- Prospective Study of p53 Expression and Its Correlation With Clinical Response of Radiotherapy in Nasopharyngeal Carcinoma—Ho, K-Y, Kuo, W-R, et al ..... 131

### **Ramosetron**

- Prevention of Vomiting After Tonsillectomy in Children: Granisetron Versus Ramosetron—Fujii, Y, Saitoh, Y, et al ..... 255

### **Rat Model**

- Acute Laryngotracheitis in the Rat Induced by Sendai Virus: The Influx of Six Different Types of Immunocompetent Cells Into the Laryngeal Mucosa Differs Strongly Between the Subglottic and the Glottic Compartment—Jecker, P, McWilliam, A, et al .. 1645  
Comparison of Monopolar Electrosurgery to a New Multipolar Electrosurgical System in a Rat Model—Chinpaioj, S, Feldman, MD, et al ..... 213  
Effect of Anemia on the Fasciocutaneous Flap Survival in a Rat Model—Desyatnikova, S, Winslow, C, et al ..... 572  
Expression of p75NTR and Its Associated Protein NADE in the Rat Cochlea—Sano, H, Mukai, J, et al ..... 535  
Modulation of Myosin Heavy Chains in Rat Laryngeal Muscle—Shiotani, A, Nakagawa, H, et al ..... 472  
Pretreatment With Portal Venous Ultraviolet B Irradiated Donor Allograft Promotes Donor-Specific Tolerance to Rat Nerve Allografts—Genden, EM, Mackinnon, SE, et al ..... 439  
Remote Delivery of rAAV-GFP to the Rat Brainstem Through the Recurrent Laryngeal Nerve—Rubin, AD, Hogikyan, ND, et al ..... 2041

### **Reagents for Insect Foreign Bodies of Ear**

- Insecticidal Activity of Common Reagents for Insect Foreign Bodies of the Ear—Antonelli, PJ, Ahmadi, A, et al ..... 15

### **Real-Time Cine Magnetic Resonance Imaging**

- Real-Time Cine Magnetic Resonance Imaging for Evaluation of the Pediatric Airway—Faust, RA, Remley, KB, et al ..... 2187

### **Reconstructed Sagittal Computed Tomography Images**

- Use of Reconstructed Sagittal Computed Tomography Images to Plan Middle Cranial Fossa Surgery—Olson, KL, Manolidis, S, et al ..... 2095

### **Reconstruction**

- Reconstruction of Pharyngeal Defects Using AlloDerm and Sternocleidomastoid Muscle Flap—Sinha, UK, Chang, KE, et al ..... 1910

### **Reconstruction, Attic Wall**

- Saddle Blanket Graft Tympanoplasty and Lateral Attic Wall Reconstruction for Defects Produced by Primary Acquired Cholesteatoma—Luetje, CM ..... 1497

### **Reconstruction, Auricular**

- Two-Step External Ear Canal Construction in Atresia as Part of Auricular Reconstruction—Siebert, R, Weerda, H ..... 708

### **Reconstruction, Epiglottic**

- Partial Frontolateral Laryngectomy With Epiglottic Reconstruction

- for Management of Early-Stage Glottic Carcinoma—Giovanni, A, Gelfucci, B, et al ..... 663

### **Reconstruction, Facial Bone**

- Candidate's Thesis: Osseous Tissue Engineering With Gene Therapy for Facial Bone Reconstruction—Lindsey, WH ..... 1128

### **Reconstruction, Flap**

- Role of Topical Antibiotic Prophylaxis in Patients Undergoing Contaminated Head and Neck Surgery With Flap Reconstruction—Simons, JP, Johnson, JT, et al ..... 329

### **Reconstruction, Free Tissue**

- Free Tissue Reconstruction of the Hypopharynx After Organ Preservation Therapy: Analysis of Wound Complications—Teknos, TN, Myers, LL, et al ..... 1192

### **Reconstruction, Head and Neck**

- Resorbable Fixation in Facial Plastic and Head and Neck Reconstructive Surgery: An Initial Report on Polyactic Acid Implants—Moe, KS, Weisman, RA ..... 1697

### **Reconstruction, Head and Neck Oncologic Surgery**

- Temporalis Muscle Flap for Reconstruction After Head and Neck Oncologic Surgery—Hanazono, MM, Utley, DS, et al ..... 1719

### **Reconstruction, Hypopharyngeal**

- Hypopharyngeal Reconstruction Using Pectoralis Major Myocutaneous Flap and Pre-Vertebral Fascia—Spriano, G, Piantanida, R, et al ..... 544

### **Reconstruction, Laryngotracheal**

- Single-Stage Adult Laryngotracheal Reconstruction Without Stenting—Rhee, JS, Toohill, RJ ..... 765

### **Reconstruction, Oromandibular Defects**

- Use of Palatal Island Flaps as an Adjunct to Microvascular Free Tissue Transfer for Reconstruction of Complex Oromandibular Defects—Ducic, Y, Herford, AS ..... 1666

### **Reconstruction, Phonosurgical**

- Phonosurgical Reconstruction of Early Glottic Cancer—Zeitels, SM, Jarboe, J, et al ..... 1862

### **Reconstruction, Radial Forearm Free Flap Pharyngoesophageal**

- Radial Forearm Free Flap Pharyngoesophageal Reconstruction—Azizzadeh, B, Yafai, S, et al ..... 807

### **Reconstruction, Sellar**

- Sellar Reconstruction After Endoscopic Transnasal Hypophysectomy—Nakagawa, T, Asada, M, et al ..... 2077

### **Reconstruction, Three-Dimensional Alloplastic Orbital**

- Three-Dimensional Alloplastic Orbital Reconstruction in Skull Base Surgery—Ducic, Y ..... 1306

### **Recurrent Laryngeal Nerve**

- Recurrent Laryngeal Nerve Monitoring by Cricopharyngeus Contraction—Sasaki, CT, Mitra, S ..... 738  
Remote Delivery of rAAV-GFP to the Rat Brainstem Through the Recurrent Laryngeal Nerve—Rubin, AD, Hogikyan, ND, et al ..... 2041

### **Recurrent Nasopharyngeal Carcinoma**

- Differentiation of Recurrent Nasopharyngeal Carcinoma and Skull Base Osteoradionecrosis by Epstein-Barr Virus-Derived Latent Membrane Protein-1 Gene—Hao, S-P, Tsang, N-M, et al ..... 650

### **Recurrent Respiratory Papilloma**

- Powered Instrument Papilloma Excision: An Alternative to Laser Therapy for Recurrent Respiratory Papilloma—Parsons, DS, Bothwell, MR ..... 1494

### **Recurrent Respiratory Papillomatosis**

- Predictive Value of Serum Interleukins in Recurrent Respiratory Papillomatosis: A Preliminary Study—Snowden, RT, Thompson, J, et al ..... 404  
Recurrent Respiratory Papillomatosis—Derkey, CS ..... 57

### **Reflux**

- Incidence of Reflux in Young Children Undergoing Adenoidectomy—Carr, MM, Poje, CP, et al ..... 2170

### **Reflux, Gastroesophageal; see Gastroesophageal Reflux Reflux Finding Score (RFS)**

- Validity and Reliability of the Reflux Finding Score (RFS)—Belafsky, PC, Postma, GN, et al ..... 1313

### **Reflux Laryngitis**

- Evaluation of Omeprazole in the Treatment of Reflux Laryngitis: A Prospective Placebo-Controlled Randomized Double-Blind Study—Noordzij, JP, Khidir, A, et al ..... 2147

### **Refractory Sinusitis**

- Immune Dysfunction in Refractory Sinusitis in a Tertiary Care Setting—Chee, L, Graham, SM, et al ..... 233

### **Regional Metastases**

- Delayed Regional Metastases, Distant Metastases, and Second Primary Malignancies in Squamous Cell Carcinomas of the Larynx and Hypopharynx—Spector, JG, Sessions, DG, et al ..... 1079

### **Rehabilitation of Paralyzed Eyelid**

- Early Versus Late Gold Weight Implantation for Rehabilitation of

the Paralyzed Eyelid—Snyder, MC, Johnson, PJ, et al .....	2109
<b>Reinke's Edema</b>	
Unilateral or Localized Reinke's Edema (Pseudocyst) as a Manifestation of Vocal Fold Paresis: The Paresis Module—Koufman, JA, Belafsky, PC .....	576
<b>Research</b>	
Tutorials in Clinical Research: Part III. Selecting a Research Approach to Best Answer a Clinical Question—Neely, JG, Hartman, JM, et al .....	821
<b>Resection of Extensive Jugular Foramen Tumors</b>	
Hearing Preservation Technique for the Resection of Extensive Jugular Foramen Tumors—Kim, CJ, Yoo, SJ, et al .....	2071
<b>Resorbable Fixation</b>	
Resorbable Fixation in Facial Plastic and Head and Neck Reconstructive Surgery: An Initial Report on Polyactic Acid Implants—Moe, KS, Weisman, RA .....	1697
<b>Respiratory Papilloma</b>	
CO <sub>2</sub> Laser Treatment in 244 Patients With Respiratory Papillomas—Dedo, HH, Yu, CY .....	1639
Powered Instrument Papilloma Excision: An Alternative to Laser Therapy for Recurrent Respiratory Papilloma—Parsons, DS, Bothwell, MR .....	1494
<b>Respiratory Papillomatosis</b>	
Predictive Value of Serum Interleukins in Recurrent Respiratory Papillomatosis: A Preliminary Study—Snowden, RT, Thompson, J, et al .....	404
Recurrent Respiratory Papillomatosis—Derkay, CS .....	57
<b>Response, Auditory Brainstem</b>	
Sound-Evoked Myogenic Potentials and Responses With 3-ms Latency in Auditory Brainstem Response—Ochi, K, Ohashi, T ...	1818
<b>Response, 3-ms Latency</b>	
Sound-Evoked Myogenic Potentials and Responses With 3-ms Latency in Auditory Brainstem Response—Ochi, K, Ohashi, T ...	1818
<b>Retinoic Acid</b>	
Detection of Macrophage Migration Inhibitory Factor (MIF) in Human Cholesteatomas and Functional Implications of Correlations to Recurrence Status and to Expression of Matrix Metalloproteinases-3/9, Retinoic Acid Receptor- $\beta$ , and Anti- Apoptotic Galectin-3—Choufani, G, Ghanoun, R, et al .....	1656
Pulsed-Dye Laser and Retinoic Acid Delay Progression of Oral Squamous Cell Carcinoma: A Murine Model—Shah, RK, Valez, TA, et al .....	1203
<b>Retraction Pocket Cholesteatomas</b>	
Expression Patterns of Cytokeratins in Retraction Pocket Cholesteatomas—Kim, H-J, Tinling, SP .....	1032
<b>Retropharyngeal Lesions</b>	
Magnetic Resonance Imaging-Guided Fine-Needle Aspiration Biopsies of Retropharyngeal Lesions—Maghami, EG, Bonyadiou, S, et al .....	2218
<b>Retropharyngeal Node Dissection</b>	
Significance of Retropharyngeal Node Dissection at Radical Surgery for Carcinoma of the Hypopharynx and Cervical Esophagus—Amatsu, M, Mohri, M, et al .....	1099
<b>Retropharyngeal Space Infections</b>	
Surgical Management of Retropharyngeal Space Infections in Children—Kirse, DJ, Roberson, DW .....	1413
<b>RFS; see Reflux Finding Score; Rhino-Frontal Sinusotomy</b>	
<b>Rhinitis</b>	
Changes in Serum Interferon- $\gamma$ , Interleukin-4, and Interleukin-12 Cytokine Levels in Anti-Histamine Type 2-Treated Allergic Rhinitis Patients—Testa, B, Meselella, C, et al .....	236
State of the Art Review: Olfaction and Its Alteration by Nasal Obstruction, Rhinitis, and Rhinosinusitis—Doty, RL, Mishra, A .....	409
<b>Rhino-Frontal Sinusotomy (RFS)</b>	
Rhino-Frontal Sinusotomy (RFS): A Combined Intra-Extra Nasal Approach for the Surgical Treatment of Severely Diseased Frontal Sinuses—Stennert, E .....	1237
<b>Rhinometry, Acoustic</b>	
Accuracy of Acoustic Rhinometry Measurements—Cakmak, O, Celik, H, et al .....	587
<b>Rhinoplasty</b>	
External Osteotomy in Rhinoplasty—Giacomarra, V, Russolo, M, et al .....	433
<b>Rhinoscleroma</b>	
Interpretation of the Structural Changes Responsible for the Chronicity of Rhinoscleroma—Canalis, RF, Zamboni, L .....	1020
<b>Rhinocopy, Contact</b>	
In Vivo Diagnosis of Nasopharyngeal Carcinoma Using Contact Rhinocopy—Pak, MW, To, KF, et al .....	1453
<b>Rhinosinusitis</b>	

Clinical State of the Art Review: Allergic Fungal Rhinosinusitis: Current Theories and Management Strategies—Marple, BF .....	1006
--	------

Significance of Computed Tomography Pathology in Chronic Rhinosinusitis—Arango, P, Kountakis, SE .....	1779
State of the Art Review: Olfaction and Its Alteration by Nasal Obstruction, Rhinitis, and Rhinosinusitis—Doty, RL, Mishra, A .....	409

## Rhinotomy

Bilateral Lateral Rhinotomy Incisions for Medial Maxillectomies in the Management of Pediatric Invasive Fungal Sinusitis—Malhotra, PS, Danahey, D, et al .....	1960
--	------

## Rhytidectomy

Cervicofacial Rhytidectomy After Head and Neck Tumor Removal—Lee, JH, Sherris, DA .....	1702
--	------

## Rotational Chair Testing

Does High-Frequency Pseudo-Random Rotational Chair Testing Increase the Diagnostic Yield of the ENG Caloric Test in Detecting Bilateral Vestibular Loss in the Dizzy Patient?—Kaplan, DM, Marais, J, et al .....	959
---	-----

## Round Window Microcatheter

Use of the Round Window Microcatheter in the Treatment of Meniere's Disease—Hoffer, ME, Kopke, RD, et al .....	2046
---	------

## Ruptured Preauricular Fistula

Extirpation of Ruptured Preauricular Fistula—Shu, M-T, Lin, H-C .....	924
--	-----

# S

## Saddle Blanket Graft Tympanoplasty

Saddle Blanket Graft Tympanoplasty and Lateral Attic Wall Reconstruction for Defects Produced by Primary Acquired Cholesteatoma—Luetje, CM .....	1497
--	------

## Safety

Radiofrequency Is a Safe and Effective Treatment of Turbinate Hypertrophy—Coste, A, Yona, L, et al .....	894
Safety and Patient Experience With Transtympanic Electrocochleography—Ng, M, Srireddy, S, et al .....	792

## Sagittal Computed Tomography

Use of Reconstructed Sagittal Computed Tomography Images to Plan Middle Cranial Fossa Surgery—Olson, KL, Manolidis, S, et al .....	2095
--	------

## Saliva

Simple Method to Estimate the Secretion of Saliva From Minor Salivary Glands Using Iodine-Starch Reaction—Inamura, T, Ino, C, et al .....	272
---	-----

## Salivary Conduit

Prosthetic Management of Pharyngocutaneous Fistula by Means of a Salivary Conduit—Zaki, HS, Kharchaf, M, et al .....	548
---	-----

## Salivary Glands

Management of Nasopharyngeal Salivary Gland Malignancy—Schramm, VL, Imola, MJ .....	1533
Molecular Differences in Mucoepidermoid Carcinoma and Adenoid Cystic Carcinoma of the Major Salivary Glands—Gibbons, MD, Manne, U, et al .....	1373
Prognostic Factors in Major Salivary Gland Cancer—Hocwald, E, Korkmaz, H, et al .....	1434
Simple Method to Estimate the Secretion of Saliva From Minor Salivary Glands Using Iodine-Starch Reaction—Inamura, T, Ino, C, et al .....	272

## Scalpel

Prospective Comparison of Scalpel Versus Bipolar Scissors in the Elevation of Radial Forearm Fasciocutaneous Free Flaps—Wax, MK, Winslow, C, et al .....	568
--	-----

## SCCA, Metastatic

Chemoradiation for Metastatic SCCA: Role of Comorbidity—Hathaway, B, Johnson, JT, et al .....	1893
--	------

## Schwannoma, Vestibular

Implementation of a Clinical Pathway in Management of the Postoperative Vestibular Schwannoma Patient—Stidham, KR, Roberson, JB .....	1938
---	------

## Scissors, Bipolar; see Bipolar Scissors Sclerotherapy

Sclerotherapy With Picibanil (OK-432) for Congenital Lymphatic Malformation in the Head and Neck—Sung, M-W, Lee, D-W, et al .....	1430
---	------

## Sealant, Fibrin

Autologous Fibrin Sealant Reduces Pain After Tonsillectomy—Gross, CW, Gallagher, R, et al .....	259
--	-----

## Second Primary Malignancies

Delayed Regional Metastases, Distant Metastases, and Second Primary Malignancies in Squamous Cell Carcinomas of the Larynx and Hypopharynx—Spector, JG, Sessions, DG, et al .....	1079
---	------



## Sellar Reconstruction

- Sellar Reconstruction After Endoscopic Transnasal Hypophysectomy—Nakagawa, T, Asada, M, et al ..... 2077

## Sendai Virus

- Acute Laryngotracheitis in the Rat Induced by Sendai Virus: The Influx of Six Different Types of Immunocompetent Cells Into the Laryngeal Mucosa Differs Strongly Between the Subglottic and the Glottic Compartment—Jecker, P, McWilliam, A, et al .. 1645

## Sensorineural Hearing Loss

- Autoimmune Sensorineural Hearing Loss in Young Patients: An Exploratory Study—Tomasi, J-P, Lona, A, et al ..... 2050  
Pediatric Fluctuating Sensorineural Hearing Loss: Problems in Medical Management—Dinces, EA, Yang, S, et al ..... 21  
Progressive Sensorineural Hearing Loss in Children With Mitochondrial Encephalomyopathies—Zwirner, P, Wilichowski, E ..... 515

## Sentinel Lymph Nodes

- Use of Low-Dose Technetium Tc 99m Sulfur Colloid to Locate Sentinel Lymph Nodes in Melanoma of the Head and Neck: Preliminary Study—Rasgon, BM ..... 1366

## Sepsis, Dental

- Teaching Case: Pott's Puffy Tumor and Epidural Abscess Arising From Dental Sepsis: A Case Report—Chandy, B, Todd, J, et al .. 1732

## Septal Perforations

- New Technique for the Insertion of a Silastic Button for Septal Perforations—Kelly, G, Lee, P ..... 539

## Serum Interferons

- Changes in Serum Interferon- $\gamma$ , Interleukin-4, and Interleukin-12 Cytokine Levels in Anti-Histamine Type 2-Treated Allergic Rhinitis Patients—Testa, B, Mesolella, C, et al ..... 236

## Serum Interleukins

- Predictive Value of Serum Interleukins in Recurrent Respiratory Papillomatosis: A Preliminary Study—Snowden, RT, Thompson, J, et al ..... 404

## Sestamibi

- Methylene Blue and Sestamibi: Complementary Tools for Localizing Parathyroids—Orloff, LA ..... 1901

## Severe Gastroesophageal Reflux Disease

- Laryngospasm: An Atypical Manifestation of Severe Gastroesophageal Reflux Disease (GERD)—Maceri, DR, Zim, S .. 1976

## Severely Diseased Frontal Sinuses

- Rhino-Frontal Sinuseptotomy (RFS): A Combined Intra-Extra Nasal Approach for the Surgical Treatment of Severely Diseased Frontal Sinuses—Stennert, E ..... 1237

## Sialendoscopy, Parotid

- Specificity of Parotid Sialendoscopy—Marchal, F, Dulguerov, P, et al ..... 264

## Silastic Button

- New Technique for the Insertion of a Silastic Button for Septal Perforations—Kelly, G, Lee, P ..... 539

## Silent Sinus Syndrome

- Silent Sinus Syndrome: A Case Series and Literature Review—Vander Meer, JB, Harris, G, et al ..... 975

## Silicone T-Shaped Tube

- Ventilation Silicone T-Shaped Tube Insertion—Lin, C-D, Tan, C-T, et al ..... 361

## Single-Stage Adult Laryngotracheal Reconstruction

- Single-Stage Adult Laryngotracheal Reconstruction Without Stenting—Rhee, JS, Toohill, RJ ..... 765

## Sinonasal Papilloma

- Evolution in the Management of Sinonasal Inverting Papilloma—Han, JK, Smith, TL, et al ..... 1395  
Human Papilloma Virus and p53 Expression in Carcinomas Associated With Sinonasal Papillomas: A Danish Epidemiological Study 1980–1998—Buchwald, C, Lindeberg, H, et al ..... 1104

## Sinus

- Silent Sinus Syndrome: A Case Series and Literature Review—Vander Meer, JB, Harris, G, et al ..... 975

## Sinus, Ethmoid

- Computed Tomographic and Anatomical Analysis of the Basal Lamellas in the Ethmoid Sinus—Kim, S-S, Lee, J-G, et al ... 424

## Sinus, Frontal

- Modern Concepts of Frontal Sinus Surgery—Weber, R, Draf, W, et al ..... 137  
Rhino-Frontal Sinuseptotomy (RFS): A Combined Intra-Extra Nasal Approach for the Surgical Treatment of Severely Diseased Frontal Sinuses—Stennert, E ..... 1237

## Sinus, Maxillary

- Quantitative Analysis of Mucin and Lectin in Maxillary Sinus Fluids in Patients With Acute and Chronic Sinusitis—Shinogi, J, Harada, T, et al ..... 240

## Sinus, Preauricular

- Excision of the Preauricular Sinus: A Comparison of Two Surgical Techniques—Lam, HCK, Soo, G, et al ..... 317

## Sinus, Sphenoid

- Surgical Anatomy of the Natural Ostium of the Sphenoid Sinus—Kim, H-U, Kim, S-S, et al ..... 1599

## Sinus Epithelial Cells

- Regulation of Mucociliary Motility by Nitric Oxide and Expression of Nitric Oxide Synthase in the Human Sinus Epithelial Cells—Kim, J-W, Min, Y-G, et al ..... 246

## Sinus Mucocoeles

- Endoscopic Management of 108 Sinus Mucocoeles—Har-El, G .. 2131

## Sinus Surgery

- Candidate's Thesis: A Stepwise Surgical Technique Using the Medial Orbital Floor as the Key Landmark in Performing Endoscopic Sinus Surgery—Casiano, RR ..... 964  
Timing of Endoscopic Sinus Surgery in Children: Is There an Impact on Outcome?—Ramadan, HH ..... 1709  
Top 10 Reasons for Endoscopic Maxillary Sinus Surgery Failure—Richtsmeier, WJ ..... 1952

## Sinus Surgery, Frontal; see Frontal Sinus Surgery Sinuseptotomy, Rhino-Frontal

- Rhino-Frontal Sinuseptotomy (RFS): A Combined Intra-Extra Nasal Approach for the Surgical Treatment of Severely Diseased Frontal Sinuses—Stennert, E ..... 1237

## Sinusitis

- Quantitative Analysis of Mucin and Lectin in Maxillary Sinus Fluids in Patients With Acute and Chronic Sinusitis—Shinogi, J, Harada, T, et al ..... 240

- Sinusitis Complicated by Meningitis: Current Management—Younis, RT, Anand, VK, et al ..... 1338

## Sinusitis, Frontal

- Microbiology of Chronic Frontal Sinusitis—Schlosser, RJ, London, SD, et al ..... 1330

## Sinusitis, Fungal

- Bilateral Lateral Rhinotomy Incisions for Medial Maxillectomies in the Management of Pediatric Invasive Fungal Sinusitis—Malhotra, PS, Danahey, D, et al ..... 1960

## Sinusitis, Refractory

- Immune Dysfunction in Refractory Sinusitis in a Tertiary Care Setting—Chee, L, Graham, SM, et al ..... 233

## Sinusotomy

- Combined External and Endoscopic Frontal Sinusotomy With Stent Placement: A Retrospective Review—Benoit, CM, Duncavage, JA ..... 1246

## Sistrunk Procedure

- Complications Associated With the Sistrunk Procedure—Maddalozzo, J, Venkatesan, TK, et al ..... 119

## Skeletal Material from Medieval Denmark

- Chronic Otitis Media Sequelae in Skeletal Material From Medieval Denmark—Qvist, M, Grontved, AM ..... 114

## Skin Tumors, Head and Neck Nonmelanomatous

- Photofrin-Mediated Photodynamic Therapy for Treatment of Aggressive Head and Neck Nonmelanomatous Skin Tumors in Elderly Patients—Schweitzer, VG ..... 1091

## Skull Base Osteoradionecrosis

- Differentiation of Recurrent Nasopharyngeal Carcinoma and Skull Base Osteoradionecrosis by Epstein-Barr Virus-Derived Latent Membrane Protein-1 Gene—Hao, S-P, Tsang, N-M, et al .... 650

## Skull Base Surgery

- Intraoperative Magnetic Resonance Imaging for Skull Base Surgery—Dort, JC, Sutherland, GR ..... 1570  
Medial Canthal Ligament Reattachment in Skull Base Surgery and Trauma—Ducic, Y ..... 734  
Three-Dimensional Alloplastic Orbital Reconstruction in Skull Base Surgery—Ducic, Y ..... 1306

## Sleep

- Road to Danger: The Comparative Risks of Driving While Sleepy—Powell, NB, Schechtman, KB, et al ..... 887

## Sleep Apnea

- Gastroesophageal Reflux and Obstructive Sleep Apnea—Senior, BA, Khan, M, et al ..... 2144  
Preoperative Differences Between Male and Female Patients With Sleep Apnea—Walker, RP, Durazo-Arzu, R, et al ..... 1501

## Sleep Endoscopy

- Target-Controlled Infusion in Sleep Endoscopy—Roblin, G, Williams, AR, et al ..... 175

## Sleep-Disordered Breathing

- Frontal and Lateral Cephalometry in Patients With Sleep-Disordered Breathing—Finkelstein, Y, Wexler, D, et al ..... 634  
Occurrence of Sleep-Disordered Breathing Among Patients With Head and Neck Cancer—Friedman, M, Landsberg, R, et al ..... 1917

Sleep-Disordered Breathing: Radiofrequency Thermal Ablation Is a Promising New Treatment Possibility—Bäck, L, Palomäki, M, et al .....	464
<b>Smoking</b>	
Smoking and Tympanoplasty: Implications for Prognosis and the Middle Ear Risk Index (MERI)—Becvarovski, Z, Kartush, JM .....	1806
<b>Smoking, Passive</b>	
Evaluation of the Effect of Passive Smoking on Otitis Media in Children by an Objective Method: Urinary Cotinine Analysis—Ilicali, OC, Keles, Nesil, et al .....	163
<b>Soft Palate</b>	
Lipoinjection Augmentation of the Soft Palate for Velopharyngeal Stress Incompetence—Klotz, DA, Howard, J, et al .....	2157
<b>Soldiers</b>	
5196 Mandible Fractures Among 4381 Active Duty Army Soldiers, 1980 to 1998—Boole, JR, Holtel, M, et al .....	1691
<b>Soluble Interleukin-2 Receptor</b>	
Microinvasive Nd:YAG Laser Therapy of Early Glottic Carcinoma and Its Effect on Soluble Interleukin-2 Receptor, Interleukin-2, and Natural Killer Cells—Lai, J-P, Tao, Z-D, et al .....	1585
<b>Sound-Evoked Myogenic Potentials</b>	
Sound-Evoked Myogenic Potentials and Responses With 3-ms Latency in Auditory Brainstem Response—Ochi, K, Ohashi, T .....	1818
<b>Sound-Producing Voice Prosthesis</b>	
Alternative Voice After Laryngectomy Using a Sound-Producing Voice Prosthesis—van der Torn, M, de Vries, MP, et al .....	336
<b>SOUNDTEC</b>	
Early Clinical Results: SOUNDTEC Implantable Hearing Device Phase II Study—Hough, JVD, Dyer, RK, et al .....	1
Verification of Improved Patient Outcomes With a Partially Implantable Hearing Aid, The SOUNDTEC Direct Hearing System—Roland, PS, Shoup, AG, et al .....	1682
<b>Spasmodic Dysphonia, Adductor</b>	
Thyroplasty for Adductor Spasmodic Dysphonia: Further Experiences—Ishiki, N, Haji, T, et al .....	615
<b>Speech-Language Pathologists</b>	
Phonoscopy—A Valuable Tool for Otolaryngologists and Speech-Language Pathologists in the Management of Dysphonic Patients—Leonard, R, Kendall, K .....	1760
<b>Sphenoid Sinus</b>	
Surgical Anatomy of the Natural Ostium of the Sphenoid Sinus—Kim, H-U, Kim, S-S, et al .....	1599
<b>Spontaneous Otoacoustic Emissions</b>	
Spontaneous Otoacoustic Emissions in Humans With Endolymphatic Hydrops—Haginomori, S-I, Makimoto, K, et al .....	96
<b>Sport Compressed-Air Diving</b>	
Inner Ear Decompression Sickness in Sport Compressed-Air Diving—Nachum, Z, Shupak, A, et al .....	851
<b>Squamous Cell Cancer, Head and Neck</b>	
Motility-Related Proteins as Markers for Head and Neck Squamous Cell Cancer—Abraham, MT, Kuriakose, A, et al .....	1285
<b>Squamous Cell Carcinoma</b>	
Adenovirus Calcium Phosphate Coprecipitates Enhance Squamous Cell Carcinoma Gene Transfer—Yi, SMP, Lee, JH, et al .....	1290
Delayed Regional Metastases, Distant Metastases, and Second Primary Malignancies in Squamous Cell Carcinomas of the Larynx and Hypopharynx—Spector, JG, Sessions, DG, et al .....	1079
<b>Squamous Cell Carcinoma, Apoptotic</b>	
Dendritic Cells Pulsed With Apoptotic Squamous Cell Carcinoma Have Anti-Tumor Effects When Combined With Interleukin-2—Son, Y-I, Mailliard, RB, et al .....	1472
<b>Squamous Cell Carcinoma, Head and Neck; see Head and Neck</b>	
<b>Squamous Cell Carcinoma Squamous Cell Carcinoma, Oral</b>	
Pulsed-Dye Laser and Retinoic Acid Delay Progression of Oral Squamous Cell Carcinoma: A Murine Model—Shah, RK, Valez, TA, et al .....	1203
<b>Staining, Cochlear DNA Receptor</b>	
Decreased Cochlear DNA Receptor Staining in MRL. MpJ-Fas <sup>lpr</sup> Autoimmune Mice With Hearing Loss—Kaylie, DM, Hefeneider, SH, et al .....	1275
<b>Stapedectomy</b>	
Benign Paroxysmal Positional Vertigo After Stapedectomy—Atacan, E, Sennaroglu, L, et al .....	1257
Long-Term Stapedectomy Results With the McGee Stapes Prosthesis—Raske, M, Welling, JD, et al .....	2060
<b>Stapes Prosthesis, McGee</b>	
Long-Term Stapedectomy Results With the McGee Stapes Prosthesis—Raske, M, Welling, JD, et al .....	2060
<b>Staple-Assisted Esophagodiverticulostomy</b>	
Feasibility and Outcome of Endoscopic Staple-Assisted	
Esophagodiverticulostomy for Zenker's Diverticulum—Thaler, ER, Weber, RS, et al .....	1506
<b>State of the Art Review</b>	
Clinical State of the Art Review: Allergic Fungal Rhinosinusitis: Current Theories and Management Strategies—Marple, BF .....	1006
Clinical State of the Art Review: Melanoma of the Head and Neck: Current Concepts in Diagnosis and Management—Lentsch, EJ, Myers, JN .....	1209
State of the Art Review: Complementary and Alternative Medicine in Otolaryngology—Asher, BF, Seidman, M, et al .....	1383
State of the Art Review: Olfaction and Its Alteration by Nasal Obstruction, Rhinitis, and Rhinosinusitis—Doty, RL, Mishra, A .....	409
<b>Static Facial Suspensions</b>	
Complications of Static Facial Suspensions With Expanded Polytetrafluoroethylene (ePTFE)—Constantinides, M, Galli, SKD, et al .....	2114
<b>Stenosis, Carotid Artery</b>	
Prevalence of Occult Carotid Artery Stenosis in Patients With Head and Neck Squamous Cell Carcinoma—Cote, CT, Goff, J, et al .....	2214
<b>Stenosis, Neonatal Subglottic</b>	
Neonatal Subglottic Stenosis—Incidence and Trends—Walner, DL, Loewen, MS, et al .....	48
<b>Stenosis, Subglottic</b>	
Use of Buccal Mucosa Graft at Posterior Cricoid Splitting for Subglottic Stenosis Repair—Thomé, R, Thomé, DC, et al .....	2191
<b>Stenosis, Tracheostomal</b>	
Surgical Treatment of Tracheostomal Stenosis—Giacomarra, V, Russolo, M, et al .....	1281
<b>Stent Placement</b>	
Combined External and Endoscopic Frontal Sinusotomy With Stent Placement: A Retrospective Review—Benoit, CM, Duncavage, JA .....	1246
Single-Stage Adult Laryngotracheal Reconstruction Without Stenting—Rhee, JS, Toohill, RJ .....	765
<b>Sternocleidomastoid Flap</b>	
Reconstruction of Pharyngeal Defects Using AlloDerm and Sternocleidomastoid Muscle Flap—Sinha, UK, Chang, KE, et al .....	1910
Sternocleidomastoid Flap—Its Indications and Limitations—Kierner, AC, Zelenka, I, et al .....	2201
<b>Steroid-Dependent Anosmia</b>	
Steroid-Dependent Anosmia—Stevens, MH .....	200
<b>Steroids</b>	
Do Steroids Reduce Morbidity of Tonsillectomy? Meta-Analysis of Randomized Trials—Steward, DL, Welge, JA, et al .....	1712
Intratympanic Steroid Injections for Intractable Ménière's Disease—Barrs, DM, Keyser, JS, et al .....	2100
<b>Streptococcal Infections</b>	
Pediatric Autoimmune Neuropsychiatric Disorders and Streptococcal Infections: Role of Otolaryngologist—Orvidas, LJ, Slattery, MJ .....	1515
<b>Subglottic Compartment</b>	
Acute Laryngotracheitis in the Rat Induced by Sendai Virus: The Influx of Six Different Types of Immunocompetent Cells Into the Laryngeal Mucosa Differs Strongly Between the Subglottic and the Glottic Compartment—Jecker, P, McWilliam, A, et al .....	1645
<b>Subglottic Stenosis</b>	
Neonatal Subglottic Stenosis—Incidence and Trends—Walner, DL, Loewen, MS, et al .....	48
Use of Buccal Mucosa Graft at Posterior Cricoid Splitting for Subglottic Stenosis Repair—Thomé, R, Thomé, DC, et al .....	2191
<b>Subjective Taste Disorder</b>	
Long-Term Follow-up Results of Electrogustometry and Subjective Taste Disorder After Middle Ear Surgery—Saito, T, Manabe, Y, et al .....	2064
<b>Submandibular Gland</b>	
Submandibular Gland Transfer: A New Method of Preventing Radiation-Induced Xerostomia—Seikaly, H, Jha, N, et al .....	347
<b>Suction-Diathermy Ablation</b>	
Pediatric Adenoidectomy Under Vision Using Suction-Diathermy Ablation—Walker, P .....	2173
<b>Sulfur Colloid</b>	
Use of Low-Dose Technetium Tc 99m Sulfur Colloid to Locate Sentinel Lymph Nodes in Melanoma of the Head and Neck: Preliminary Study—Rasgon, BM .....	1366
<b>Supersaturated Humidification</b>	
Hyperthermic, Supersaturated Humidification in the Treatment of Xerostomia—Criswell, MA, Sinha, CK .....	992
<b>Supracricoid Laryngectomy</b>	
Candidate's Thesis: Laryngeal Preservation With Supracricoid	

Partial Laryngectomy Results in Improved Quality of Life When Compared With Total Laryngectomy—Weinstein, GS, El-Sawy, MM, et al .....	191
Functional Outcomes After Supracricoid Laryngectomy—Zacharek, MA, Pasha, R, et al .....	1558
<b>Surgery</b>	
Candidate's Thesis: A Stepwise Surgical Technique Using the Medial Orbital Floor as the Key Landmark in Performing Endoscopic Sinus Surgery—Casiano, RR .....	964
Cochlear Reimplantation: Surgical Techniques and Functional Results—Alexiades, G, Roland, JT, Jr, et al .....	1608
Endoscopic and Endoscopic-Assisted Surgery for Juvenile Angiofibroma—Carrau, RL, Snyderman, CH, et al .....	483
Histological Characterization of the Thyroglossal Tract: Implications for Surgical Management—Chandra, RK, Maddalozzo, J, et al ...	1002
Surgical Anatomy of the Natural Ostium of the Sphenoid Sinus—Kim, H-U, Kim, S-S, et al .....	1599
Surgical Management of Retropharyngeal Space Infections in Children—Kirse, DJ, Roberson, DW .....	1413
Surgical Treatment of Tracheostomal Stenosis—Giacomarra, V, Russolo, M, et al .....	1281
<b>Surgery, Argon Plasma</b>	
Argon Plasma Surgery for the Inferior Turbinate of Patients With Perennial Nasal Allergy—Fukazawa, K, Ogasawara, H, et al ....	147
<b>Surgery, Cranial Fossa</b>	
Use of Reconstructed Sagittal Computed Tomography Images to Plan Middle Cranial Fossa Surgery—Olson, KL, Manolidis, S, et al .....	2095
<b>Surgery, Ear</b>	
Optimal Concentration of Epinephrine for Vasoconstriction in Ear Surgery—Gessler, EM, Hart, KE, et al .....	1687
<b>Surgery, Facial Plastic</b>	
Resorbable Fixation in Facial Plastic and Head and Neck Reconstructive Surgery: An Initial Report on Poly(lactic Acid) Implants—Moe, KS, Weisman, RA .....	1697
<b>Surgery, Head and Neck; see Head and Neck Surgery Surgery, Mastoid</b>	
Facial Nerve Monitoring in Middle Ear and Mastoid Surgery—Noss, RS, Lalwani, AK, et al .....	831
<b>Surgery, Middle Ear; see Middle Ear Surgery Surgery, Sinus; see Sinus Surgery Surgery, Skull Base; see Skull Base Surgery Surgery, Tympanomastoid</b>	
Use of Dexamethasone on the Prophylaxis of Nausea and Vomiting After Tympanomastoid Surgery—Liu, Y-H, Li, M-J, et al ...	1271
<b>Surgical Obturator</b>	
Effective, Inexpensive, Temporary Surgical Obturator Following Maxillectomy—Ducic, Y .....	356
<b>Surgical Tracheostomy, Open</b>	
Bedside Tracheostomy in the Intensive Care Unit: A Prospective Randomized Trial Comparing Open Surgical Tracheostomy With Endoscopically Guided Percutaneous Dilational Tracheostomy—Massick, DD, Yao, S, et al .....	494
<b>Sustained-Release of Gentamicin</b>	
Candidate's Thesis: Transtympanic Versus Sustained-Release Administration of Gentamicin: Kinetics, Morphology, and Function—Hoffer, ME, Allen, K, et al .....	1343
<b>Swallow Model</b>	
Functional Magnetic Resonance Imaging of the Pediatric Swallow: Imaging the Cortex and the Brainstem—Hartnick, CJ, Rudolph, C, et al .....	1183
Simultaneous Modified Evans Blue Dye Procedure and Video Nasal Endoscopic Evaluation of the Swallow—Donzelli, J, Brady, S, et al .....	1746
<b>Symptoms</b>	
Symptoms, Laryngeal Findings, and 24-Hour pH Monitoring in Patients With Suspected Gastroesophago-Pharyngeal Reflux—Yitalo, R, Lindestad, P-A, et al .....	1735
<b>T</b>	
<b>T1-T3 NO Tongue Cancer</b>	
Is Dissection of Level IV Necessary in Patients with T1-T3 NO Tongue Cancer?—Khafif, A, Lopez-Garza, JR, et al .....	1088
<b>Tap, Antral</b>	
Comparison of Antral Tap With Endoscopically Directed Nasal Culture—Casiano, RR, Cohn, S, et al .....	1333
<b>Target-Controlled Infusion</b>	
Target-Controlled Infusion in Sleep Endoscopy—Roblin, G, Williams, AR, et al .....	175
<b>Teaching Case</b>	

Improving the Otolaryngology Consultation Service in a Teaching Hospital—Carr, MM .....	1166
Teaching Case: A Large Arteriovenous Malformation of the External Ear in an Adult: Report of a Case and Approach to Management—Pham, TH, Wong, BJF, et al .....	1390
Teaching Case: Pott's Puffy Tumor and Epidural Abscess Arising From Dental Sepsis: A Case Report—Chandy, B, Todd, J, et al ...	1732
<b>Technetium 99m</b>	
Technetium 99m Single Positron Emission Computed Tomography Scanning for Assessing Mandible Invasion in Oral Cavity Cancer—Imola, MJ, Gapany, M, et al .....	373
Use of Low-Dose Technetium Tc 99m Sulfur Colloid to Locate Sentinel Lymph Nodes in Melanoma of the Head and Neck: Preliminary Study—Rasgon, BM .....	1366
<b>Telomere Length</b>	
Molecular Biological Diagnosis of Congenital and Acquired Cholesteatoma on the Basis of Differences in Telomere Length—Kojima, H, Miyazaki, H, et al .....	867
<b>Temperature-Controlled Radiofrequency Nasal Tissue Volume Reduction</b>	
Changes of Nasal Function After Temperature-Controlled Radiofrequency Tissue Volume Reduction for the Turbinate—Rhee, C-S, Kim, D-Y, et al .....	153
<b>Temporal Bone</b>	
Aminoglycoside Ototoxicity: A Human Temporal Bone Study—Hinojosa, R, Nelson, EG, et al .....	1797
Microwave Decalcification of Human Temporal Bones—Cunningham, CD, III, Schulte, BA, et al .....	278
<b>Temporalis Muscle Flap</b>	
Temporalis Muscle Flap for Reconstruction After Head and Neck Oncologic Surgery—Hanasono, MM, Utley, DS, et al .....	1719
<b>10-Minute Office Visit</b>	
Building the Powerful 10-Minute Office Visit: Part II. Beginning a Critical Literature Review—Neely, JG, Hartman, JM, et al ...	70
<b>Tertiary Care Setting</b>	
Immune Dysfunction in Refractory Sinusitis in a Tertiary Care Setting—Chee, L, Graham, SM, et al .....	233
Nontuberculous Mycobacterial Adenitis of the Head and Neck in Children: Experience From a Tertiary Care Pediatric Center—Rahal, A, Abela, A, et al .....	1791
<b>Testing, Genetic</b>	
Genetic Testing and Genetic Counseling for Deafness: The Future is Here—Brunker, JW, Matthews, AI, et al .....	715
<b>Tetracaine</b>	
Tetracaine Topical Anesthesia for Myringotomy—Hoffman, RA, Li, C-LJ .....	1636
<b>Thermal Ablation, Radiofrequency</b>	
Sleep-Disordered Breathing: Radiofrequency Thermal Ablation Is a Promising New Treatment Possibility—Bäck, L, Palomäki, M, et al .....	464
<b>Three-Dimensional Alloplastic Orbital Reconstruction</b>	
Three-Dimensional Alloplastic Orbital Reconstruction in Skull Base Surgery—Ducic, Y .....	1306
<b>Three-Dimensional Image</b>	
Three-Dimensional Image for the Middle Fossa Approach and Its Anatomical Considerations—Tsunoda, A, Komatsuzaki, A, et al ...	1048
<b>Three-Dimensional Tissue Expansion</b>	
Histologic Analysis of Three-Dimensional Versus Two-Dimensional Tissue Expansion in the Porcine Model—Alex, JC, Bhattacharyya, TK, et al .....	36
<b>3-ms Latency</b>	
Sound-Evoked Myogenic Potentials and Responses With 3-ms Latency in Auditory Brainstem Response—Ochi, K, Ohashi, T ...	1818
<b>Thromboses, Dural Sinus</b>	
Unique Case of Bezold's Abscess Associated With Multiple Dural Sinus Thromboses—Zapanta, PE, Chi, DH, et al .....	1944
<b>Thyroarytenoid Muscle</b>	
Thyroarytenoid Muscle Maintains Normal Contractile Force in Chronic Vocal Fold Immobility—Johns, MM, Urbanchek, M, et al .....	2152
<b>Thyroglossal Tract</b>	
Histological Characterization of the Thyroglossal Tract: Implications for Surgical Management—Chandra, RK, Maddalozzo, J, et al ...	1002
<b>Thyroid Carcinoma</b>	
Cause of Death in Patients With Well-Differentiated Thyroid Carcinoma—Beasley, NJP, Walfish, PG, et al .....	989
MRI Detection of Cervical Metastasis From Differentiated Thyroid Carcinoma—Gross, ND, Weissman, JL, et al .....	1905
<b>Thyroplasty</b>	

Anterior and Posterior Medialization (APM) Thyroplasty—Hong, KH, Kim, JH, et al .....	1406
Complications of Type I Thyroplasty and Arytenoid Adduction—Abraham, MT, Gonen, M, et al .....	1322
Thyroplasty for Adductor Spasmodic Dysphonia: Further Experiences—Isshiki, N, Haji, T, et al .....	615
<b>Tissue Engineering</b>	
Candidate's Thesis: Osseous Tissue Engineering With Gene Therapy for Facial Bone Reconstruction—Lindsey, WH .....	1128
<b>Tissue Expansion</b>	
Histologic Analysis of Three-Dimensional Versus Two-Dimensional Tissue Expansion in the Porcine Model—Alex, JC, Bhattacharyya, TK, et al .....	36
<b>TMS; see Transcranial Magnetic Stimulation Tomography, Computed; see Computed Tomography Tongue Cancer</b>	
Is Dissection of Level IV Necessary in Patients with T1-T3 NO Tongue Cancer?—Khafif, A, Lopez-Garza, JR, et al .....	1088
<b>Tonsillar Carcinoma</b>	
Epstein-Barr Virus DNA Is Not Increased in Tonsillar Carcinoma—Khabie, N, Savva, A, et al .....	811
<b>Tonsillectomy</b>	
Autologous Fibrin Sealant Reduces Pain After Tonsillectomy—Gross, CW, Gallagher, R, et al .....	259
Bipolar Scissors Versus Cold Dissection Tonsillectomy: A Prospective Randomized Multi-Unit Study—Raut, V, Bhat, N, et al .....	2178
Do Steroids Reduce Morbidity of Tonsillectomy? Meta-Analysis of Randomized Trials—Steward, DL, Welge, JA, et al .....	1712
Evaluation of the Utility and Cost-Effectiveness of Obtaining Histopathologic Diagnosis on All Routine Tonsillectomy Specimens—Younis, RT, Hesse, SV, et al .....	2166
Prevention of Vomiting After Tonsillectomy in Children: Granisetron Versus Ramosetron—Fujii, Y, Saitoh, Y, et al .....	255
A Prospective Study on Pros and Cons of Electrodissection Tonsillectomy—Blomgren, K, Qvarnberg, YH, et al .....	478
Tonsillectomy With Argon Plasma Coagulation (APC): Evaluation of Pain and Hemorrhage—Bergler, W, Huber, K, et al .....	1423
<b>Tooth, Intranasal</b>	
Endoscopic Extraction of an Intranasal Tooth: A Review of 13 Cases—Lee, F-P .....	1027
<b>Topical Anesthesia</b>	
Tetracaine Topical Anesthesia for Myringotomy—Hoffman, RA, Li, C-LJ .....	1636
<b>Topical Antibiotic Prophylaxis</b>	
Role of Topical Antibiotic Prophylaxis in Patients Undergoing Contaminated Head and Neck Surgery With Flap Reconstruction—Simons, JP, Johnson, JT, et al .....	329
<b>Torticollis, Congenital Muscular</b>	
Pseudotumor of Infancy and Congenital Muscular Torticollis: 170 Cases—Wei, JL, Schwartz, KM, et al .....	688
<b>Total Laryngectomy</b>	
Candidate's Thesis: Early Oral Feeding Following Total Laryngectomy—Medina, JE, Khafif, A .....	368
Candidate's Thesis: Laryngeal Preservation With Supracricoid Partial Laryngectomy Results in Improved Quality of Life When Compared With Total Laryngectomy—Weinstein, GS, El-Sawy, MM, et al .....	191
<b>Toxicity, Auditory Neuronal and Hair Cell</b>	
Candidate's Thesis: L-N-Acetyl-Cysteine Protection Against Cisplatin-Induced Auditory Neuronal and Hair Cell Toxicity—Feghali, JG, Liu, W, et al .....	1147
<b>Toxin, Botulinum</b>	
Clinical State of the Art Review: Botulinum Toxin: Basic Science and Clinical Uses in Otolaryngology—Blitzer, A, Sulica, L .....	218
<b>Tracheal Transplantation</b>	
Tracheal Transplantation: Cytological Changes Studied by Scanning and Transmission Electron Microscopy in the Rabbit—Zagalo, C, Grande, NR, et al .....	657
<b>Tracheoesophageal Fistula</b>	
Prosthetic Obstruction of Tracheoesophageal Fistula—Zaki, HS, Studer, SP, et al .....	359
<b>Tracheoesophageal Puncture</b>	
Failsafe Technique for Endoscopic Tracheoesophageal Puncture—Koch, WM .....	1663
<b>Tracheostomal Stenosis</b>	
Surgical Treatment of Tracheostomal Stenosis—Giacomarra, V, Russolo, M, et al .....	1281
<b>Tracheostomy</b>	
Bedside Tracheostomy in the Intensive Care Unit: A Prospective Randomized Trial Comparing Open Surgical Tracheostomy With Endoscopically Guided Percutaneous Dilational Tracheostomy—Massick, DD, Yao, S, et al .....	494
Complications in Pediatric Tracheostomies—Carr, MM, Poje, CP, et al .....	1925

## Tracheotomy

Bedside Tracheostomy in the Intensive Care Unit: A Prospective Randomized Trial Comparing Open Surgical Tracheostomy With Endoscopically Guided Percutaneous Dilational Tracheostomy—Massick, DD, Yao, S, et al .....	494
Cost/Benefit Analysis of Open Tracheostomy, in the OR and at the Bedside, With Percutaneous Tracheostomy—Levin, R, Trivikram, L .....	1169
Learning Curve for Translaryngeal Tracheostomy in Head and Neck Surgery—Giugliano, G, Venturino, M, et al .....	628
<b>Transcranial Magnetic Stimulation (TMS)</b>	
Cortical Representation of the Orbicularis Oculi Muscle as Assessed by Transcranial Magnetic Stimulation (TMS)—Roedel, RMW, Laskawi, R, et al .....	2005
<b>Translaryngeal Tracheostomy</b>	
Learning Curve for Translaryngeal Tracheostomy in Head and Neck Surgery—Giugliano, G, Venturino, M, et al .....	628
<b>Transmission Electron Microscopy</b>	
Tracheal Transplantation: Cytological Changes Studied by Scanning and Transmission Electron Microscopy in the Rabbit—Zagalo, C, Grande, NR, et al .....	657
<b>Transnasal Hypophysectomy</b>	
Sellar Reconstruction After Endoscopic Transnasal Hypophysectomy—Nakagawa, T, Asada, M, et al .....	2077
<b>Transplant Recipients</b>	
Adenotonsillar Hypertrophy and Epstein-Barr Virus in Pediatric Organ Transplant Recipients—Shapiro, NL, Strocker, AM ..	997
<b>Transplantation, Autologous</b>	
Autologous Transplantation of Fascia Into the Vocal Fold: Long-Term Results of a New Phonosurgical Technique for Glottal Incompetence—Tsunoda, K, Baer, T, et al .....	453
<b>Transplantation, Tracheal</b>	
Tracheal Transplantation: Cytological Changes Studied by Scanning and Transmission Electron Microscopy in the Rabbit—Zagalo, C, Grande, NR, et al .....	657
<b>Transtympanic Administration of Gentamicin</b>	
Candidate's Thesis: Transtympanic Versus Sustained-Release Administration of Gentamicin: Kinetics, Morphology, and Function—Hoffer, ME, Allen, K, et al .....	1343
<b>Transtympanic Electrocochleography</b>	
Safety and Patient Experience With Transtympanic Electrocochleography—Ng, M, Srireddy, S, et al .....	792
<b>Trauma</b>	
Medial Canthal Ligament Reattachment in Skull Base Surgery and Trauma—Ducic, Y .....	734
Optic Nerve Decompression in the Comatose and Conscious Patients After Trauma—Lübben, Björn, Stoll, W, et al .....	320
<b>T-Shaped Tube</b>	
Ventilation Silicone T-Shaped Tube Insertion—Lin, C-D, Tan, C-T, et al .....	361
<b>Tumor Necrosis Factor-<math>\alpha</math></b>	
Effect of Tumor Necrosis Factor- $\alpha$ on Experimental Otitis Media With Effusion—Lee, D-H, Park, Y-S, et al .....	728
<b>Tumors</b>	
Enhancement of Delta Aminolevulinic Acid-Photodynamic Therapy in vivo by Decreasing Tumor pH With Glucose and Amiloride—Piot, B, Rousset, N, et al .....	2205
Tumor Deposition of Laminin-5 and the Relationship With Perineural Invasion—Anderson, TD, Feldman, M, et al .....	2140
<b>Tumors, Head and Neck; see Head and Neck Tumors Tumors, Jugular Foramen</b>	
Hearing Preservation Technique for the Resection of Extensive Jugular Foramen Tumors—Kim, CJ, Yoo, SJ, et al .....	2071
<b>Tumors, Parotid</b>	
Mandibular and Temporomandibular Joint Arthropathy in the Differential Diagnosis of the Parotid Mass—Klenoff, JR, Lowlicht, RA, et al .....	2162
Preoperative Computed Tomography Scans for Parotid Tumor Evaluation—Urquhart, A, Hutchins, LG, et al .....	1984
Value of Fine-Needle Aspiration Cytology of Parotid Gland Masses—Zbären, P, Schär, C, et al .....	1989
<b>Tumors, Pott's Puffy</b>	
Teaching Case: Pott's Puffy Tumor and Epidural Abscess Arising From Dental Sepsis: A Case Report—Chandy, B, Todd, J, et al ..	1732
<b>Tumors; see also Cancer; Carcinoma; Malignancy; Neoplasms Turbinate</b>	
Argon Plasma Surgery for the Inferior Turbinate of Patients With Perennial Nasal Allergy—Fukazawa, K, Ogasawara, H, et al .....	147
Changes of Nasal Function After Temperature-Controlled Radiofrequency Tissue Volume Reduction for the Turbinate—Rhee, C-S, Kim, D-Y, et al .....	153



Endoscopic Inferior Turbinate Reduction: An Outcomes Analysis—Gupta, A, Mercurio, E, et al .....	1957
Long-Term Results of Inferior Turbinate Reduction With Argon Plasma Coagulation—Bergier, WF, Sadick, H, et al .....	1593
Radiofrequency Is a Safe and Effective Treatment of Turbinate Hypertrophy—Coste, A, Yona, L, et al .....	894
Radiofrequency Treatment of Turbinate Hypertrophy in Subjects Using Continuous Positive Airway Pressure: A Randomized Double-Blind Placebo-Controlled Clinical Pilot Trial—Powell, NB, Zonato, AI, et al .....	1783
<b>Turbino-plasty</b>	
New Turbino-plasty Technique for the Management of Concha Bullosa: Our Short-Term Outcomes—Dogru, H, Tüz, M, et al .....	172
<b>24-Hour pH Monitoring</b>	
Ambulatory 24-Hour Double-Probe pH Monitoring: The Importance of Manometry—Johnson, PE, Koufman, JA, et al .....	1970
Symptoms, Laryngeal Findings, and 24-Hour pH Monitoring in Patients With Suspected Gastroesophago-Pharyngeal Reflux—Ylitalo, R, Lindestad, P-A, et al .....	1735
<b>Two-Dimensional Tissue Expansion</b>	
Histologic Analysis of Three-Dimensional Versus Two-Dimensional Tissue Expansion in the Porcine Model—Alex, JC, Bhattacharyya, TK, et al .....	36
<b>Two-Step External Ear Canal Construction</b>	
Two-Step External Ear Canal Construction in Atresia as Part of Auricular Reconstruction—Siebert, R, Weerda, H .....	708
<b>Tympanic Membrane</b>	
Degranulation of Mast Cells Provokes a Massive Inflammatory Reaction in the Tympanic Membrane—Eriksson, PO, Hellström, S .....	1264
Effectiveness of Adenoidectomy and Laser Tympanic Membrane Fenestration—Cook, SP, Brodsky, L, et al .....	251
Middle Ear Effusions and Structure of the Tympanic Membrane—Wielinga, EWJ, Peters, TA, et al .....	90
Tympanic Membrane Grafting With AlloDerm—Benecke, JE, Jr .....	1525
Tympanic Membrane Repair With a Dermal Allograft—Laidlaw, DW, Costantino, PD, et al .....	702
<b>Tympanomastoid Surgery</b>	
Use of Dexamethasone on the Prophylaxis of Nausea and Vomiting After Tympanomastoid Surgery—Liu, Y-H, Li, M-J, et al ..	1271
<b>Tympanoplasty</b>	
Evaluation of Inlay Butterfly Cartilage Tympanoplasty: A Randomized Clinical Trial—Mauri, M, Neto, JFL, et al .....	1479
Primary Intubation of Cartilage Tympanoplasties—Danner, CJ, Dornhoffer, JL .....	177
Saddle Blanket Graft Tympanoplasty and Lateral Attic Wall Reconstruction for Defects Produced by Primary Acquired Cholesteatoma—Luetje, CM .....	1497
Smoking and Tympanoplasty: Implications for Prognosis and the Middle Ear Risk Index (MERI)—Becvarovski, Z, Kartush, JM ..	1806
<b>Tympanostomy</b>	
Pediatric Laser-Assisted Tympanostomy—Silverstein, H, Jackson, LE, et al .....	905
<b>Type I Thyroplasty</b>	
Complications of Type I Thyroplasty and Arytenoid Adduction—Abraham, MT, Gonen, M, et al .....	1322
<b>Type 2 Diabetes Mellitus</b>	
Vestibular End-Organ Impairment in an Animal Model of Type 2 Diabetes Mellitus—Perez, R, Ziv, E, et al .....	110

## U

### Ultrasonography

Clinical Assessment of Intralaryngeal Ultrasonography—Tamura, E, Kitahara, S, et al .....	1767
---	------

### Ultrastaging System

Is It Time to Develop an 'Ultrastaging System' for Use in Patients With Head and Neck Malignancies?—Ferlito, A, Devaney, KO, et al ..	185
---	-----

### Ultraviolet B Irradiated Donor Allograft

Pretreatment With Portal Venous Ultraviolet B Irradiated Donor Allograft Promotes Donor-Specific Tolerance to Rat Nerve Allografts—Genden, EM, Mackinnon, SE, et al .....	439
---	-----

### Unilateral Arytenoid Fixation

Endoscopic Arytenoid Repositioning for Unilateral Arytenoid Fixation—Amin, MR, Koufman, JA .....	44
--	----

### Unilateral Choanal Atresia

New Endoscopic Surgical Method for Unilateral Choanal Atresia—Liktor, B, Csokonai, LV, et al .....	364
--	-----

### Unilateral Hearing Loss

Results of the Bone-Anchored Hearing Aid in Unilateral Hearing Loss—Wazen, JJ, Spitzer, J, et al .....	955
--	-----

### Unilateral Ménière's Disease

Endolymphatic Hydrops in Asymptomatic Ears in Unilateral Ménière's Disease—Friedrichs, I, Thornton, ARD, et al .....	857
--	-----

### Unilateral Palate Paralysis

Unilateral Palate Paralysis in Patients With Nasopharyngeal Carcinoma: Imaging and Clinical Correlations—Su, C-Y, Lui, C-C .....	645
--	-----

### University of Iowa

Esthesioneuroblastoma: The University of Iowa Experience 1978–1998—Simon, JH, Zhen, W, et al .....	488
--	-----

### Upper Airway Edema

Upper Airway Edema Resulting From Use of Ecballium elaterium—Kloutsos, G, Balatsouras, DG, et al .....	1652
--	------

### Upper Airway Obstruction

Use of Helium–Oxygen Mixtures to Relieve Upper Airway Obstruction in a Pediatric Population—Grosz, AH, Jacobs, IN, et al .....	1512
--	------

### Urinary Cotinine Analysis

Evaluation of the Effect of Passive Smoking on Otitis Media in Children by an Objective Method: Urinary Cotinine Analysis—Ilicali, ÖC, Keles, Nesil, et al .....	163
--	-----

### Usher's Syndrome

New Clinical Classification for Usher's Syndrome Based on a New Subtype of Usher's Syndrome Type I—Otterstedde, CR, Spandau, U, et al .....	84
---	----

### Uvulopalatopharyngoplasty

Uvulopalatopharyngoplasty, Maxillomandibular Advancement, and the Velopharynx—Li, KK, Troell, RJ, et al .....	1075
---	------

## V

### Vagal Nerve Stimulation

Effect of Vagal Nerve Stimulation on Voice—Charous, SJ, Kempster, G, et al .....	2028
--	------

### Vascular Endothelial Growth Factor Receptor 2 (VEGFR2)

Vascular Endothelial Growth Factor Receptor 2 (VEGFR2) Expression in Squamous Cell Carcinomas of the Head and Neck—Neuchrist, C, Erovc, BM, et al .....	1834
---	------

### Vasoconstriction

Optimal Concentration of Epinephrine for Vasoconstriction in Ear Surgery—Gessler, EM, Hart, KE, et al .....	1687
Simplified Method of Micro-Injecting Vasoconstricting Solution Into the Vocal Cord—Bentsianov, BL, Har-El, G .....	1111

### Vasodilator Response to Mobile Phones

Local Vasodilator Response to Mobile Phones—Paredi, P, Kharitonov, SA, et al .....	159
--	-----

### VEGFR2; see Vascular Endothelial Growth Factor Receptor 2

### Velopharynx

Lipoinjection Augmentation of the Soft Palate for Velopharyngeal Stress Incompetence—Klotz, DA, Howard, J, et al .....	2157
Uvulopalatopharyngoplasty, Maxillomandibular Advancement, and the Velopharynx—Li, KK, Troell, RJ, et al .....	1075

### Venous Ultraviolet B Irradiated Donor Allograft

Pretreatment With Portal Venous Ultraviolet B Irradiated Donor Allograft Promotes Donor-Specific Tolerance to Rat Nerve Allografts—Genden, EM, Mackinnon, SE, et al .....	439
---	-----

### Ventilation Silicone T-Shaped Tube

Ventilation Silicone T-Shaped Tube Insertion—Lin, C-D, Tan, C-T, et al .....	361
--	-----

### Ventilatory Function Impairment, Eustachian Tube

Can Eustachian Tube Ventilatory Function Impairment After Oxygen Diving Be Influenced by Application of Free Radical Scavenger Vitamins C and E?—Mutzbauer, TS, Neubauer, B, et al .....	861
--	-----

### Vertigo

Benign Paroxysmal Positional Vertigo After Stapedectomy—Atacan, E, Sennaroglu, L, et al .....	1257
Benign Positional Vertigo Without Detectable Nystagmus—Tirelli, G, D'Orlando, E, et al .....	1053

### Vestibular Ablation

Selective Vestibular Ablation by KTP Laser in Endolymphatic Hydrops—Adamczyk, M, Antonelli, PJ .....	1057
--	------

### Vestibular Aqueduct

Relationship of Vestibular Aqueduct and Inner Ear Pressure in Ménière's Disease and the Normal Population—Sennaroglu, L, Yilmazer, C, et al .....	1625
---	------

### Vestibular End-Organ Impairment

Vestibular End-Organ Impairment in an Animal Model of Type 2 Diabetes Mellitus—Perez, R, Ziv, E, et al .....	110
--	-----

## **Vestibular Loss**

- Does High-Frequency Pseudo-Random Rotational Chair Testing Increase the Diagnostic Yield of the ENG Caloric Test in Detecting Bilateral Vestibular Loss in the Dizzy Patient?—Kaplan, DM, Marais, J, et al ..... 959
- Physical Therapy Outcomes for Persons With Bilateral Vestibular Loss—Brown, KE, Whitney, SL, et al ..... 1812

## **Vestibular Schwannoma**

- Implementation of a Clinical Pathway in Management of the Postoperative Vestibular Schwannoma Patient—Stidham, KR, Roberson, JB ..... 1938

## **Vestibular-Evoked Myogenic Potentials**

- Variance of Vestibular-Evoked Myogenic Potentials—Ochi, K, Ohashi, T, et al ..... 522

## **Video Nasal Endoscopic Evaluation**

- Simultaneous Modified Evans Blue Dye Procedure and Video Nasal Endoscopic Evaluation of the Swallow—Donzelli, J, Brady, S, et al ..... 1746

## **Videostroboscopic Images**

- Quantitative Analysis of Videostroboscopic Images in Presbylarynges—Bloch, I, Behrman, A ..... 2022

## **Virtual Endoscopic Evaluation**

- Virtual Endoscopic Evaluation of Labyrinthine Fistulae Resulting From Cholesteatoma—Briggs, RD, Vrabec, JT, et al ..... 1828

## **Virus, Epstein-Barr; see Epstein-Barr Virus Virus, Human Papilloma**

- Human Papilloma Virus and p53 Expression in Carcinomas Associated With Sinonasal Papillomas: A Danish Epidemiological Study 1980–1998—Buchwald, C, Lindeberg, H, et al ..... 1104

## **Virus, Sendai**

- Acute Laryngotracheitis in the Rat Induced by Sendai Virus: The Influx of Six Different Types of Immunocompetent Cells Into the Laryngeal Mucosa Differs Strongly Between the Subglottic and the Glottic Compartment—Jecker, P, McWilliam, A, et al .. 1645

## **Vitamin C**

- Can Eustachian Tube Ventilatory Function Impairment After Oxygen Diving Be Influenced by Application of Free Radical Scavenger Vitamins C and E?—Mutzbauer, TS, Neubauer, B, et al ..... 861

## **Vitamin E**

- Can Eustachian Tube Ventilatory Function Impairment After Oxygen Diving Be Influenced by Application of Free Radical Scavenger Vitamins C and E?—Mutzbauer, TS, Neubauer, B, et al ..... 861

## **Vocal Cord**

- Arytenoid Appearance and Vertical Level Difference Between the Paralyzed and Innervated Vocal Cords—Hong, KH, Jung, KS .... 227
- Simplified Method of Micro-Injecting Vasoconstricting Solution Into the Vocal Cord—Bentsianov, BL, Har-El, G ..... 1111
- Treatment for Vocal Cord Dysfunction in Female Athletes: An Outcome Study—Sullivan, MD, Heywood, BM, et al ..... 1751

## **Vocal Fold**

- Autologous Transplantation of Fascia Into the Vocal Fold: Long-Term Results of a New Phonosurgical Technique for Glottal Incompetence—Tsunoda, K, Baer, T, et al ..... 453
- DiHA (Dextranomers in Hyaluronan) Injections for Treatment of Insufficient Closure of the Vocal Folds: Early Clinical Experiences—Hallén, L, Testad, P, et al ..... 1063
- Fascia Augmentation of the Vocal Fold: Graft Yield in the Canine and Preliminary Clinical Experience—Duke, SG, Salmon, J, et al ..... 759
- Gender-Related Differences of Hyaluronic Acid Distribution in the Human Vocal Fold—Butler, JE, Hammond, TH, et al ..... 907

## **Vocal Fold, Canine**

- Histology of Injected Autologous Fascia in the Paralyzed Canine Vocal Fold—Reijnen, P, Leivo, I, et al ..... 1068

## **Vocal Fold Augmentation**

- Candidate's Thesis: Homologous Collagen Substances for Vocal Fold Augmentation—Corey, MS ..... 747

## **Vocal Fold Fixation**

- Laser Arytenoidectomy for Bilateral Median Vocal Fold Fixation—Sato, K, Umeno, H, et al ..... 168

## **Vocal Fold Immobility**

- Immediate Percutaneous Medialization for Acute Vocal Fold Immobility With Aspiration—Anderson, TD, Mirza, N ..... 1318
- Thyroarytenoid Muscle Maintains Normal Contractile Force in

- Chronic Vocal Fold Immobility—Johns, MM, Urbanek, M, et al ..... 2152

## **Vocal Fold Paresis**

- Unilateral or Localized Reinke's Edema (Pseudocyst) as a Manifestation of Vocal Fold Paresis: The Paresis Podule—Koufman, JA, Belafsky, PC ..... 576

## **Vocal Function**

- Vocal Function Following Radiation for Non-Laryngeal Versus Laryngeal Tumors of the Head and Neck—Fung, K, Yoo, J, et al ..... 1920

## **Voice**

- Effect of Vagal Nerve Stimulation on Voice—Charous, SJ, Kempster, G, et al ..... 2028

## **Voice, Alternative**

- Alternative Voice After Laryngectomy Using a Sound-Producing Voice Prosthesis—van der Torn, M, de Vries, MP, et al ..... 336

## **Voice Prosthesis**

- Alternative Voice After Laryngectomy Using a Sound-Producing Voice Prosthesis—van der Torn, M, de Vries, MP, et al ..... 336

## **Vomeronasal Organ**

- Frequency and Localization of the Putative Vomeronasal Organ in Humans in Relation to Age and Gender—Knecht, M, Kühnau, D, et al ..... 448

## **Vomiting**

- Prevention of Vomiting After Tonsillectomy in Children: Granisetron Versus Ramosetron—Fujii, Y, Saitoh, Y, et al ..... 255
- Use of Dexamethasone on the Prophylaxis of Nausea and Vomiting After Tympanomastoid Surgery—Liu, Y-H, Li, M-J, et al .. 1271

## **von Helmholtz, Hermann**

- Presidential Address: Hermann von Helmholtz: A Giant of Science Who Cast His Shadow on Otolaryngology—Applebaum, EL . 937

# **W**

## **Water-Jet Dissection**

- Water-Jet Dissection in Parotid Surgery: An Experimental Study in Dogs—Magritz, R, Jurk, V, et al ..... 1579

## **Weight, Gold**

- Early Versus Late Gold Weight Implantation for Rehabilitation of the Paralyzed Eyelid—Snyder, MC, Johnson, PJ, et al ..... 2109

## **Well-Differentiated Thyroid Carcinoma**

- Cause of Death in Patients With Well-Differentiated Thyroid Carcinoma—Beasley, NJP, Walfish, PG, et al ..... 989

## **Western Blot Analysis**

- Western Blot Analysis for Diagnosis of Lyme Disease in Acute Facial Palsy—Furuta, Y, Kawabata, H, et al ..... 719

## **Wild-Type p53 Gene Transfer**

- All-trans-retinoic Acid Enhances the Effect of Adenovirus-Mediated Wild-Type p53 Gene Transfer in Head and Neck Squamous Cell Carcinoma—Nakashima, T, Sun, S-Y, et al ..... 1459

## **Wound Closure Techniques**

- Aesthetic Comparison of Wound Closure Techniques in a Porcine Model—Tritle, NM, Haller, JR, et al ..... 1949

## **Wound Healing**

- Comparison of Wound Healing Using the CO<sub>2</sub> Laser at 10.6  $\mu$ m and 9.55  $\mu$ m—Converse, GM, IV, Ries, WR, et al ..... 1231
- Investigation of Airway Wound Healing Using a Novel in vivo Model—Hardillo, J, Vancooster, C, et al ..... 1174

# **X**

## **Xerostomia**

- Hyperthermic, Supersaturated Humidification in the Treatment of Xerostomia—Criswell, MA, Sinha, CK ..... 992
- Submandibular Gland Transfer: A New Method of Preventing Radiation-Induced Xerostomia—Seikaly, H, Jha, N, et al ..... 347

# **Z**

## **Zenker's Diverticulum**

- Feasibility and Outcome of Endoscopic Staple-Assisted Esophagodiverticulostomy for Zenker's Diverticulum—Thaler, ER, Weber, RS, et al ..... 1506

